Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

June 27, 1960

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Oil, Paint and Drug Reporter

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Tariff 'Bind' Starts Today

The chemical industry is in a bind. It's all because of the thirty-day period between the time the State department announced the list of products that might be involved in the upcoming GATT tariff negotiations and the time when industry has to make up its mind whether to protest.

Producers whose products are on the list and those who are not sure how they might be affected by the negotiations want more time to prepare a defense, but whether they will get it is something else again.

The situation has been brought to the attention of the Tariff Commission, which will hold hearings relative to the "peril points" of the hundreds of chemicals and other products on the list, and to the attention of the Committee for Reciprocity Information, which gathers views from producers on the question of whether a product should or should not be on the list.

John E. Hull, president of the Manufacturing Chemists Association, has already raised the question in a letter to the CRI.

The list of products was announced by the State department on May 27 (OPD, 6/13/60 and 6/20/60), and simultaneously the CRI and the Tariff Commission scheduled hearings starting July 11 and notified all who might testify that they should file their briefs or copies of their statements by June 27 (today). Mr. Hull said that an allotment of only thirty days makes it almost imposible for the chemical industry to adequately consider products that may be negotiated.

"Actually, only nineteen working days have been allowed the industry," he said, "to undertake what the various government agencies have had six to nine months to determine—the status of products to be considered for trade concessions. The requirement for filing statements or briefs by June 27 does not provide adequate time for study and preparation."

Kefauver's Drug Licensing Plan Is Coming Out of the Shadows To Show Its Political Nature

Political considerations, which have long been suspected of being in the background of the issues developing out of the Kefauver drug price investigations, are starting to emerge from the shadows and show themselves on the surface. This could be bad for the ethical drug industry, say the seers in Washington. Whether manufacturers of prescription drugs like it or not, it could mean that they are going to find themselves in the direct line of fire when the shrapnel starts flying in a few weeks in the upcoming Presidential and political campaigns.

This possibility became a real threat last week with the announced formation of a new Democratic party advisory group dedicated to the task of putting over the newest idea advanced by Sen. Estes Kefauver of Tennessee (OPD, 6/20): a plan to place the ethical drug industry under federal license, subject to strict regulatory control of the Food & Drug Administration and the politically-appointed Secretary of Health, Education & Welfare.

A 21-Man Health Council

The new Democratic party group is a twenty-one-member Advisory Committee on Health Policy of the Democratic Advisory Council. It is headed by Dr. Michael E. Debakey.

At a special news conference last week, Dr. Debakey said that the group favored giving the FDA power to license drug firms to be sure that the public is adequately protected in the use of drugs. He said that FDA is presently operating under "severely limited" power, which needs to be expanded.

The one ray of sunshine visible to the drug industry in this situation is the fact that this is but an advisory group and does not necessarily set policy within the Democratic party. There are other indications, however, that high drug prices and the failure of the Republican administration to move more aggressively against them will be issues fought by the opposing parties in many sectional campaigns.

Also, it is almost certain that efforts will be made to include an attack on high drug prices in the platforms of both parties. If not mentioned directly, they probably will be by inference in the planks to be offered on public health, aids to the aged, and other welfare matters.

The Kefauver proposal (S 3677) for licensing the manufacture of prescription

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NEW PRESIDENT: Albert D. Penick, elected president of S. B. Penick & Co., New York. Chosen board chairman and chief executive officer is S. Barksdale Penick, jr. New vice-presidents are William A. Thawley and Anibal J. Dotres.

Explosives Transport Bill's Score: No Home Run; No Strike Out, Either

The chemical industry did not exactly hit a home run on the explosives transportation bill, S 1806; but it did not strike out, either. That is the prevailing opinion in Washington, following action on the measure last week. Industry leaders, who had been unsuccessful in their efforts to discourage congressional consideration of the bill, were at least pleased with their success in having some of the sting taken out of the legislation and the bill molded into a somewhat more acceptable form.

Such was the feeling when the house judiciary committee voted to report the bill to the house for passage with several amendments that had been strongly urged by chemical industry spokesmen and others.

Early Passage Sought

No time has been set for consideration of the bill on the floor, but proponents report that they will push for its passage before adjournment of congress in about two weeks.

Two changes urgently requested by industry witnesses during hearings on the bill late last month (OPD 5/30/60) were adopted by the judiciary committee:

One provides for formal recognition of the Bureau of Explosives in the proposed new law, and the other restores the language of existing law on convictions of "knowingly" violating the law.

For more than fifty years, the Bureau of Explosives of the Association of American

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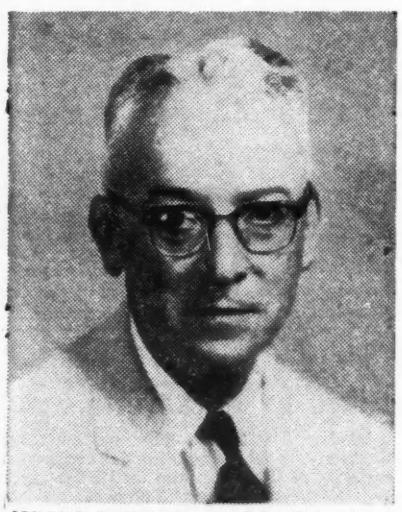

JOINING BOWER: Raymond R. Hull, who on July 5 joins Henry Bower Chemical Manufacturing Company, Philadelphia, as vice-president. In the industry since 1925, Mr. Hull was most recently with I. P. Thomas Division of Baugh & Sons Company.

Drug Men Hit Again: This Time by Unions

They're opening up a third front against the sorely beset pharmaceutical industry. At least that's one light in which observers are viewing a plan announced last week by nine major labor unions to form a chain of non-profit drug stores in New York City.

Meanwhile, the industry is training its counter-fire on the Kefauver probe and the licensing bill now before the senate.

The threat to drug industry interests is embodied in these features of the unions' plan:

- The sponsoring unions say they would campaign to have doctors prescribe drugs by generic rather than trade names.
- It's claimed that the union stores could cut prices to about a third of their current retail levels. This means that supplies would have to come from cut-rate sources rather than from the major drug houses.

The decision to go ahead with the plan was made in the face of protests by spokesmen for 3,400 New York City druggists. A counter-campaign by six retail drug trade associations was slated to start yesterday (June 26). The druggists were to close all but 1,000 of the New York stores in a one-day protest.

Orthoxylene to Japan On Sinclair's Docket

Sinclair Petrochemicals, Inc., a subsidiary of Sinclair Oil Corporation, will supply Japanese interests with 66 million pounds of o-xylene a year over a three-year period. For this purpose, Sinclair will construct a 66-million-pound-a-year plant at its Houston, Tex., refinery. Earlier, trade sources had predicted that

—Continued on page 38

FDA Probe Unit Set Up; Chicago Teacher Heads It

Dr. C. Phillip Miller, of the department of medicine, University of Chicago, last week was named chairman of an eight-man committee of experts, appointed by the National Academy of Sciences, to review the workings of the Antibiotics Branch and the new drugs division of the Food & Drug Administration.

The committee was selected by Science Academy president Detlev Bronk at the request of Secretary of Health Education and Welfare Arthur Flemming as the aftermath of the Kefauver committee investigations of the drug industry. Other members are:

Drs. John H. Dingle, School of Medicine, Western Reserve University; Maxwell Finland, Boston City Hospital; Colin

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Chemical Dividends Score A Sharp Advance in May

The chemical business is picking up nicely these days.

Industry treasurers paid out $35 million in cash dividends during the month of May as compared with $31.3 million a year ago. That raises the total of cash dividends issued so far this year to $314.5 million against $290.9 million in the first five months of 1959.

These figures, reported by the Office of Business Economics of the Department

—Continued on page 45

Casein Bill, With Compromises, Gets Senate Nod

The congressional compromise on restoring tariffs on edible forms of casein (caseinates) while continuing the suspension of the duties on the industrial type material has been accepted by the senate after some criticism of the way the matter was handled in congress.

It now remains only for the house to adopt the compromise to send the bill, HR 9862, to the White House for the President's signature.

There appears to be no doubt that he will sign it.

As reported back by the conference committee (OPD, 6/13/60), the bill provides that the import duty of 2¾ cents a pound shall be levied on imports of sodium caseinate, sodium phospho-caseinate or other caseinates of which casein or lactarine, is the component material of chief value.

The duty will begin to operate thirty days after the bill is signed into law. It will apply to all such material thereafter imported for consumption or withdrawn from warehouse for consumption. The free importation of casein as such will continue until June 30, 1963.

Sen. Wallace F. Bennett of Utah, chief spokesman for the senate conference group that met with a similar committee from the house to work out the compromise on the edible form of casein, was vigorously attacked in the debate by Sen. Russell B. Long, of Louisiana, for failing to insist that the conference at least consider the form of the casein amendment as it had been adopted by the senate.

Known as the Hartke amendment, it provided that the suspension of duties should apply only to the inedible casein and that "edible" casein should remain subject to the tariff.

Sen. Long accused Sen. Bennett and the other conferees of "surrendering" to the

—Continued on page 35

Dow Knows All About Great Oaks, Little Labs

Great oaks may grow from little acorns and big research centers may start as small labs. Dow Chemical Company, Midland, Mich., knows all about that.

The company has just started to build what may eventually become a 500-man research center in the Ygnacio Valley of California, thirty miles from San Francisco.

The first unit will be a one-story building, to house eight chemists. But it will grow, says Dow.

Chemical Men Hear a Warning: Beware the Hot Breath of FTC

A word of warning to sellers in the chemical industry: If you like to keep one jump ahead of the competition by cutting prices in one region, but not in another, you had better seek out the advice of your lawyers before going ahead with such plans in the future. That hot breath you feel on the back of your neck is probably not the competition trying to keep pace. It may be one of Uncle Sam's little nephews—a Federal Trade Commission representative—armed with a big Robinson-Patman act club.

The FTC takes a dim view of regional price-cutting practices that extend only into those areas where there is competition and now the commission has the Supreme Court of the United States backing it up.

High Court Backs FTC

Last week, the court held that the FTC is within its rights in telling a company that sells over a wide area that it can't reduce prices in one region and not extend the price cuts to other regions.

That is a discrimination against the competition, the court says, and it is illegal when the competition is injured economically.

This new line of Robinson-Patman act enforcement was sustained by the court in overturning a decision of the Circuit Court of Appeals, which had thrown out an order of the FTC issued in 1955 against Anheuser-Busch Inc., the St. Louis, Mo., brewer. The issue was not completely adjudicated, however, as the court ordered the case remanded for further proceedings to determine whether competition had been injured by the beer firm's price cutting tactics.

As interested chemical men remember, the case had its origin in a 1954 complaint of the FTC against Anheuser-Busch for slashing beer prices in St. Louis after three local breweries refused to support a nation-wide price rise. FTC said the beer firm could not reduce its prices in St. Louis unless prices were proportionately reduced elsewhere for the same quality beer.

When the company appealed, the Circuit Court ruled against the FTC and

—Continued on page 51

Paint Works Even Better Than a Cop in Baltimore

"You can get more traffic control from a pail of paint than from anything else."

Here's a feather in the paint industry's cap, coming not from the paint makers' own publicity efforts, but in an assessment made by Harry A. Barnes, Traffic Commissioner of Baltimore, Md.

Mr. Barnes, an outstanding traffic control authority, gives due credit to a recently-installed "electronic brain" in helping to solve Baltimore's famous traffic blockade.

But prime dependence, he says, is still on painted traffic lanes and other painted markings.

The commissioner even makes use of the empty paint pails—painted, of course—to keep the traffic moving properly.

Mobil to Be Set Up Into Three Divisions

Mobil Oil Company, newly-formed subsidiary of Socony Mobil Oil Company, has just decided to tell the world about its organizational set-up. Taking over the $90 million yearly petrochemical business of the parent company, the newcomer will have three operating divisions.

A development division has been set up to study new products and marketing opportunities. Petroleum additives and specialized chemicals will be handled by a paint and special products division, while the company's present line of petrochemicals will be taken care of by the basic petroleum chemicals division.

Any new basic material that the com-

—Continued on page 54

Emery Names President, Creates a New Board Post

A. W. Schubert has been elected president of Emery Industries, Inc., Cincinnati, Ohio, succeeding John J. Emery, who takes over a newly-created post of chairman of the board. Mr. Schubert's previous position was that of executive vice-president.

Elected to the board of directors was William S. Row, vice-president of the Fifth—Third Union Trust Company, Cincinnati, succeeding his father John J. Row.

Soybean Oil Contracts Getting Change in Basis

Soybean oil contracts providing for delivery to midwestern and eastern warehouses on an f.o.b. New York price-basis, will be offered by the New York Produce Exchange starting July 18.

Heretofore, the only contract available provided for delivery on an f.o.b. Decatur, Ill., basis, thereby putting eastern state crushers and growers at a disadvantage because of the rail freight structure.

First delivery month for the new contract will be October, 1960. The rules provide for trading in the seventeen succeeding months.

Quality and quantity of crude soybean oil will be unchanged in the New York basis contract, but shipments will be in sellers' cars rather than in those of buyers. The old contract will continue to be offered as long as trading trends indicate interest in it.

The Week's Price Changes

Citral, Coriander Oil, Grease, Peanut Oil, Tallow Advanced. Anethole, Clove Leaf, Corn Oil, Eugenol, Indole Reduced.

Prices Advanced

Citral, extra, 20c. per lb. (p. 53).
Coriander oil, 75c. per lb. (p. 53).
Grease, choice white, ½c. per lb. (p. 55).
Peanut oil, crude, ¼c. per lb. (p. 55).
Refd., ¼c. per lb. (p. 55).
Soybean meal, $1 per ton (p. 55).
Tallow, inedible, bleach, fancy, ½c. per lb. (p. 55).
prime, ½c. per lb. (p. 55).
special, ½c. per lb. (p. 55).
guaran. fancy, ½c. per lb. (p. 55).
Sperm oil, 1c. per lb. (p. 55).

Prices Reduced

Anethol, USP, 2c. per lb. (p. 53).
Bois de Rose oil, Brazilian, 10c. per lb. (p. 53).
Peruvian, 10c. per lb. (p. 53).
Cinnamic alcohol, 15c. per lb. (p. 53).
Clove leaf, 5c. per lb. (p. 53).
Coconut oil, crude, N. Y., ¼c. per lb. (p. 55).
Pac. coast, ¾c. per lb. (p. 55).
Coconut fatty acid, 1¾c. per lb. (p. 55).
Corn oil, crude, ¼c. per lb. (p. 55).
Refd., ¼c. per lb. (p. 55).
Cottonseed oil, crude, ½c. per lb. (p. 55).
Refd., ¼c. per lb. (p. 55).
Cottonseed fatty acid, ¼c. per lb. (p. 55).
Eugenol, 10c. per lb. (p. 53).
Guaiacwood, 10c. per lb. (p. 53).
Indole, $1 per lb. (p. 53).
Methyl heptin carbonate, 25c. per lb. (p. 53).
Pennyroyal oil, 30c. per lb. (p. 53).
Sage oil, clary, $1.45 per lb. (p. 53).
Safrol, 5c. per lb. (p. 53).
Styrolyl acetate, 10c. per lb. (p. 53).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:

(100=1949 average)

June 24, 1960	June 17, 1960	June 26, 1959
110.17	110.23	110.53

Mexico: Still a Chemical Importer

Despite tremendous growth of its petrochemical section since World War II, Mexico's general industry set-up is still such that the country must import many of its chemical necessities. High on the list are antibiotics, representing a market of 80 million pesos yearly and supplied entirely by outside countries. Other chemicals not produced locally but needed in substantial amounts are hypochlorites, phosphates, carbon black, essential oils, "Freon," glycols and parathion.

A Dow Man's Report

This information was reported in Mexico City last week by Enrique Rangel Trevino, of Dow Chemical International, at a joint meeting of the Instituto Mexicano de Ingenieros Quimicos and the American Institute of Chemical Engineers.

The Dow executive also mentioned dieldrin, phenol, phosphate rock, polyethylene, chlorides, styrene, vinyl resins, sodium benzoate, glutamate, nitrates and urea.

With an annual growth rate of 10 percent for basic products and 25 to 30 percent for intermediate and finished products, the Mexican chemical market is rife with opportunities for foreign capital and chemical exports, Mr. Trevino contended.

Since passage of a 1958 law that outlaws the granting of concessions for production and utilization of natural hydrocarbons to private enterprise, the government-owned Pemex organization is the

—Continued on page 37

IN SALES POST: John H. Sanders, named sales manager of the chemicals division of Eastman Chemical Products, Inc., Kingsport, Tenn.

Chemical Leather Process Piloted by Armour, Partner

A new type of leather, made by chemically dissolving the main constituent of hides, will be jointly researched by Armour & Co., and United Shoe Machinery Corporation.

The product involves converting collagen, which constitutes 85 percent of the hide protein solids, to a solution and then producing a continuous sheet of any desired shape of thickness from the dissolved hide fibers.

Details of the process, including some of the chemical solvents utilized, are not being disclosed at present.

Chlorine Dioxide Capacity Hiked by Buckeye in Fla.

Buckeye Cellulose Corporation, has doubled the chlorine dioxide generation capacity of its wood pulp mill from three tons to six tons a day at Foley, Fla.

The expansion was undertaken to provide additional chlorine dioxide bleach in anticipation of a continued trend toward increasingly brighter kraft and dissolving pulps.

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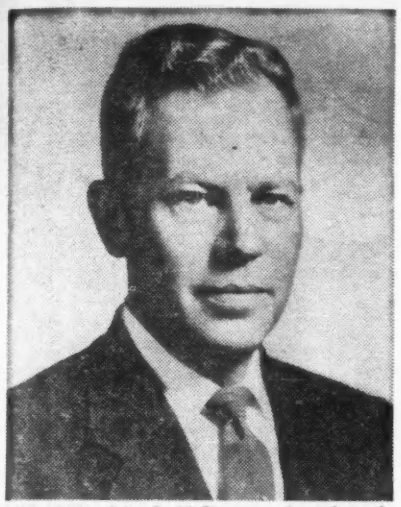

TOP MAN: John D. McPherson, elected president and a director of Jefferson Chemical Company, Houston, Tex. He succeeds George R. Bryant, who is retiring.

Plasticizers and Lubes: They Head Output List

Plasticizers and synthetic lubricant fluids share top spot on the production slate for a new plant being built in Gouda, Holland, by just-organized Unilever-Emery, N.V., an internationally-owned company.

The plasticizers will be made for flexible vinyl products, and the lubricants will find their way into jet engine use.

The new plant will be an ozone-oxidation unit, geared to transform readily available fatty materials into both plasticizers and synthetic lubricants.

It is to be a 50-50 joint enterprise of its owners, Emery Industries, Inc., Cincinnati, Ohio, and Unilever, N.V., Rotterdam, Holland, who have just teamed up.

As a source of basic feedstocks, Unilever-Emery has acquired an existing Dutch firm, Koninklijke Stearine Kaarsenfabrieken "Gouda-Apollo," with installations adjoining the new company's plant site.

Facilities for producing unique dibasic and tribasic acids (dimer-trimer) are also being considered for later construction, according to an announcement by Emery. These acids would be marketed as raw materials for surface coatings, resins and corrosion inhibitors.

The ozone-oxidation unit is reportedly similar to one now being added to Emery's Cincinnati plant as part of a $6 million expansion program.

DuPont Slated to Move Abroad in Great Strength

Look out chemical world, here comes the giant duPont!

That's the word from Crawford H. Greenewalt, president of E. I. duPont de Nemours & Co., who indicated last week that duPont will move deeper and deeper into overseas manufacturing operations.

Revealing that the company's first large overseas plant, a 50-million-pound-a-year neoprene installation at Maydown, near Londonderry, Northern Ireland, is set to go on stream next month, Mr. Greenewalt outlined the reasons for duPont's penchant for European plants.

The formation of the "Inner Six" and "Outer Seven" trade areas in Europe, he believes, is a precursor of virtual elimination of European trade barriers.

This will make it possible for duPont to build large works such as the Maydown installation, which economically serve a broad area, rather than put up little plants to satisfy individual countries' demands, he points out.

OPD Reports From Europe

Fertilizer Prices in Britain Coming Down—and Decline Appears Likely to Continue

The price British farmers pay for their fertilizers is coming down—and the decline is expected to continue as competition and production capacity increase. Fisons, Ltd., will slash its price schedule on Friday (July 1). Cuts average over $2.80 a ton, with the company's most widely used nitrogen-phosphate-potash compound slated for a $3.10 drop to $75.60 a ton. Fisons is also planning to give larger rebates to farmers for fertilizer delivered in July, August and September. The company claims these price reductions will save UK farmers $4.2 million on their fertilizer bills during the 1960-61 season.

The Fisons' move follows a series of price cuts announced earlier by Imperial Chemical Industries, Ltd. ICI's reductions range from 70 cents to $2.80 a ton, which, the firm claims, will save the farmers $2.8 million. ICI and Fisons together dominate the British fertilizer market today. Both concerns declare that the latest price decreases are based on stepped-up demand and more efficient production.

This article, the fifth in OPD's new series of reports direct from the European chemicals market, looks at fertilizer pricing in the UK.

But the entry of Shell Cnemical, Ltd., a part of the Royal Dutch/Shell petroleum empire, into the fertilizer business on a broader scale means both ICI and Fisons will have more competition in the future, though Shell will have a tough job displacing the two entrenched companies. Shell will put into effect price cuts of $1.19 to $1.40 a ton on one line of its fertilizers.

Fertilizer Sales in 1959: $260 Million

The fertilizer business in the UK has been growing rapidly of late and sales last year are estimated to have been about $260 million, with a government subsidy on nitrogen and phosphate fertilizers amounting to $73 million. This subsidy is paid directly to the farmers.

Fisons estimates that in the period July, 1959, through April, 1960, British farmers increased their use of nitrogen by 19 percent, phosphates by 15 percent and potash by 13 percent over the like period of the 1958-59 fertilizer season.

The UK fertilizer industry has just come out from under a massive review by the government's Monopolies and Restrictive Practices Commission, which concentrated on the costs, profits and pricing policies of ICI, Fisons and Potash, Ltd., an organization owned by potash suppliers in France, Germany and Spain.

The Monopolies Commission indicated that the government has a direct interest in making sure that fertilizer profits are reasonable and not excessive because it subsidizes the use of fertilizers so heavily.

The monopoly study was concentrated on the three companies, since under British law any company is considered to have

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UK Plastics Hang Up Record Quarter Output

Britain's plastics industry continues its upward surge. The country produced a record 146,000 tons of plastics material in the first quarter, up 29 percent over the comparable period last year, the UK Board of Trade reports.

Highest rate of expansion continues to be in several plastics, particularly polyethylene and polyvinyl chloride, with sales for the group totaling 92,000 tons in

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TAKES THE REINS: Paul L. Davies, board chairman of Food Machinery & Chemical Corporation, San Jose, Calif., assumes presidency of the company to succeed retiring Ernest Hart.

Chemical Units O'seas Being 'Built American'

Two more chemical plants—one to make synthetic methanol and the other to produce high purity hydrogen—are going up abroad, and an American firm, Chemical Construction Company, is going to build them.

The methanol plant will be owned by British Hydrocarbon Chemicals, Inc., and will be erected at Grangemouth, England, by Chemical Construction (G.B.), Ltd., a subsidiary of the New York-based engineering organization. The unit will use hydrocarbon gases from existing ethylene plants as feedstocks.

The hydrogen plant will be built by the parent company for Societe Rhodiaceta at Lyon, France. When completed, this unit will be one of the largest in Eu-

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Sonneborn Develops Dye To Aid Rescues on Ocean

A chemical formulation that dyes water with fluorescent color to facilitate rescues has been perfected by two scientists connected with Sonneborn Chemical & Refining Corporation, New York.

The scientists developed the formulation on a request from the Defense department.

The dye enables rescuers to spot victims easily from great distances and over a greater period of time than heretofore. In contrast to markers now in use, which last only a few minutes, the new invention releases a dye that is effective up to twenty-four hours. The prolonged life is achieved by trapping dye particles in a water-insoluble, high-melting microcrystalline wax.

Phenol Output In a New SD Way: No Byproducts

Scientific Design Company — which made news recently with announcement of a new phthalic anhydride catalyst (OPD, 6/6/60)—has just come up with another wrinkle: a process for the manufacture of phenol involving direct oxidation of benzene.

Success of the process would mean production of phenol with virtually no byproduct materials—the bane of most existing phenol manufacturing processes.

SD is mum at present on whether liquid or vapor phase oxidation of benzene is involved. It is known that vapor oxidation was tried and then abandoned several years back because yields were never as high as predicted.

Differs From Other Processes

The company says that the process differs from those now in use or under consideration.

Dr. Ralph Landau, executive vice-president of New York-headquartered SD, announced the new method in a speech delivered last week before the International Congress of Chemical Engineering in Mexico City. He admitted that it is not possible to speak of specific plants as yet, and then added: "But these will not be long in coming."

Dr. Landau also dropped a hint that the process would gain more popularity overseas than at home. He noted that his company's new method features low capital investment and the absence of byproducts for sale, factors that would make it particularly suited to smaller package plant installation.

An OPD survey reveals that none of the presently-projected phenol expansion projects in this country has any plans to use the new SD process. Most recent announcement of expansion was that of Hooker Chemical Company, which will put up a plant at South Shore, Ky., using a Hooker-modified Raschig process.

Union Carbide Corporation's expansion at Marietta, Ohio, is reportedly via the Raschig route. Reichhold Chemicals, Inc., is expanding using the sulfonation process, and Monsanto Chemical Company is reportedly considering a moderate expansion using the same method.

Allied Chemical Corporation's 50-million-pound-a-year addition to its Frankford, Pa., facilities will be via the cumene peroxidation process.

Most radical departure from convention in new plant construction will be Dow Chemical Company's 36-million-pound-a-year unit in the Pacific Northwest using

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Carbon Dioxide Facility Of Cardox Is on Stream

Cardox Division of Chemetron Corporation has placed on stream a carbon dioxide-producing facility at Gibbstown, N. J., about fifteen miles southwest of Philadelphia.

The plant has a capacity of 150 tons of liquid and solid carbon dioxide a day and is reportedly the largest CO_2 facility in the northeast.

Raw material is obtained from a nearby ammonia plant. Output is shipped to various industries, including beverage, food, transportation, foundry, rubber, paint, metals, aviation, welding, and fire protection, from Maine to Virginia.

Caffeine Blocks Caffeine, Drug Researchers Find

If your second cup of coffee fails to give a "lift," the trouble stems from tachyphylaxis.

University of Michigan researchers have just discovered that the caffeine in one cup of coffee partially blocks the effects of a second cup for about three hours.

The drug, they found, is a tricky one. While caffeine stimulates, it also temporary immunizes the brain against further stimulation. This is tachyphylaxis.

Whether the phenomenon occurs with caffeine in pharmaceuticals is not revealed.

Dumping Complaints: Are They Entitled to Secrecy?

The names of those Americans who complain to the Bureau of Customs about the dumping of foreign chemicals should not be publicized. That is the belief of the chemical industry in this country.

Through its spokesman, the Manufacturing Chemists Association, the industry has just taken issue with the customs authorities, who believe a proposed new policy of naming complainants would aid in administration of the law.

The chemical people say the bureau should apply the new rule only after obtaining permission from the complainants.

In a letter to Customs Commissioner Ralph Kelly, commenting on the proposed change in bureau policy, MCA president John E. Hull notes that the publication of names of persons who furnish information in connection with dumping investigations is a departure from the traditional confidential relationship between the bureau and the parties with whom they are dealing.

It would be a deterrent to the filing of some complaints which otherwise would be quite justified, and very probably would also deter domestic industry in continuing its usual cooperation with the bureau in its various investigations, he warns. Furthermore, it could have adverse effects on domestic producers in that customer relations would, in many cases, be jeopardized in markets which are already highly competitive, he adds.

"Another possible adverse result of

—Continued on page 60

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Drug-Making in Bohemia

A few garbage cans, a wine press and a grease gun are all the equipment one needs to set up a drug business in Greenwich Village.

At least, such was the belief of a coffee shop proprietor, who has just had himself a short, but profitable, fling at drug production in New York's famed Bohemia.

The coffee shop man was a seller of the habit-forming drug peyote, which comes from a cactus-like herb that was known back in the days of the American Indian.

The bearded and barefoot shop owner—something of a babe in the scientific wilderness— formulated his drug in a cellar lab. He soaked peyote "buttons" in garbage cans, then ran the batches through the wine press to squeeze out the water. After that he injected the substance into capsules with an automobile grease gun.

He sold the capsules upstairs to the "Beatnik" set, netting as much as $200 a week. (And Sen. Kefauver didn't even know about it.)

But the Food & Drug Administration knew. And so did the Bureau of Narcotics and the New York Police Department.

FDA sent a couple of inspectors around to pose as "Beatnik" buyers.

"What do you want, coffee or peyote?" the proprietor allegedly asked.

"Neither. We want to close down your capsule department," replied the inspectors.

Then, in formal terms, they told him why: No labels on the drugs . . . no warning that peyote is habit-forming . . . selling the drug without a doctor's prescription.

That did it. They seized 311 pounds and 145 capsules of the drug. The cellar lab is idle now; the "Beatniks" have moved on.

Chemical Market Below Rio Grande Is Seen Ready to Burst Into Bloom

A chemical market, comprising 150 million Latin American consumers, is ready to bloom below the Rio Grande. That's the rosy-hued prospect unveiled for American chemical makers by Oliverio Phillips, who, as a man from south of the border, is in a strategic position to know which way the chemical wind down there is blowing. "Difficulties and uncertainties beset those who would expand the chemical market in underdeveloped countries," says Mr. Phillips, a member of the Instituto de Investigaciones Technologicas, in Bogota, Columbia. "But the economic return is much larger than in the States."

HAS NEW ROLE: Paul L. Alspaugh, appointed a vice-president of Union Carbide Olefins Company, New York, a division of Union Carbide Corporation. He had been with Union Carbide Metals Company.

American and Latin American chemical makers, Mr. Phillips feels, should embark on a joint program of industrial and economic research to speed development of the continent's chemical potential.

The research end, says the Colombian, would be aimed at correlating economic and chemical developments in a country and relating these factors to the prevailing standard of living. In this way, "it could be possible to forecast a probable increase in the chemical industries as the country develops."

Mr. Phillips' paper on a "Case Study of Chemical Development" was read last week in Mexico City before the international joint meeting of the American Institute of Chemical Engineers and the Instituto Mexicano de Ingenieros Quimicos.

The problem of raising funds for re-

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Resin Price Will Rise

Reichhold Chemicals, Inc., White Plains, New York, plans to advance the price of its solid phenolic shell molding resins used in foundry practice. The advance will take place August 1.

Oils Pact Set With Spain; It's Worth $ 27.7 Million

The Department of Agriculture last week announced an agreement to finance the purchase by Spain of $27.7 million of American cottonseed and soybean oils.

Details of the transaction, as to time of purchase and time of delivery, will be announced later. The deal will involve about 220 million pounds of oil.

Pharmaceutical Men Must Stop Peddling Second Lines Abroad, Warns Money-Controlling ICA

Drug makers who have been unloading substandard products under the foreign aid program will have to upgrade quality if they want to stay in this government-financed business. International Cooperation Administration, which handles the financing, has just laid down four quality-guaranteeing conditions that must be met by all drugs moving abroad by way of Mutual Security funds. In effect the new conditions go beyond the requirements of the food, drug and cosmetics law by demanding that exported drugs be at least equal in quality to those manufactured for domestic consumption.

Under the ICA dictum, invoices for exported medicinals and pharmaceuticals must now include special certification.

What Is to Be Required

Such a requirement will demand that:

- The generic, chemical or common pharmaceutical name is shown opposite the name of each product supplied.
- Such products conform to the minimum requirements of the USP or NF where such specifications exist. Where specifications are not existent it must be stated that the strength, purity and quality do not differ from or fall below that stated on the label. Batch numbers or appropriate identifying information are required for certifiable drugs.
- Labels include actual expiration dates when available. It must also be certified that not more than one-sixth of the full dating period up to eighteen months has expired, nor more than one-third of the full dating period over eighteen months.
- Items supplied meet requirements for distribution and sale within the country of source, and in addition, in the case of exports from foreign trade zones, the requirements of the country within which the foreign trade zone is located.

The latter condition is to prevent the exportation of products which could not be lawfully sold in the country of manufacture. Drug industry interests noted that this would go beyond the requirements of the federal food, drug and cosmetic law which states, in effect, that drugs for export need only meet the specifications of the foreign purchaser and not be in conflict with the laws of the country to which it is intended for export.

NEW OFFICER: Dr. Guy T. McBride, Jr., elected vice-president of Texas Gulf Sulphur Company, New York, after having served as chemical engineering consultant.

Underwater Storage Tank Interesting to Chemical Men

An underwater storage tank—something that may be of value to the chemical industry some day—has just been developed for the Navy by United States Rubber Company.

Designed as an emergency supply of fuel in wartime, the tank consists of a 50,000-gallon rubber container. Under a plan being evaluated by the Navy, the future below-the-waves warehouses would hold more than a million gallons of fuel—enough to supply several destroyers and smaller vessels.

Chemical people don't know exactly what they would do with such a thing right now, but they are interested in its possibilities. They see the development as valuable when storage space is at a premium or during time of war or other emergencies.

Lead-Zinc Drive On During Eleventh Hour

An eleventh-hour drive to put over a program of higher tariffs on imports of lead and zinc for the benefit of the domestic mining industry has risen in the senate to plague the administration again.

With only about two weeks remaining in the present congress before adjournment for the political conventions next month, Sen. Robert S. Kerr, of Oklahoma, succeeded in getting senate finance committee approval of a lead and zinc tariff

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Anhydrous Ammonia Gets Mammoth Storage Facility

Built just to hold anhydrous ammonia, the largest non-producing storage terminal in the nation is now situated in Philadelphia. With addition of a 74,000-gallon steel vessel, Delaware River Terminals has arrived at the distinction of owning the biggest tank.

The "king-sized, cigar-shaped" shell of steel plate, made by Bethlehem Steel Company, was undoaded last week by two 5-ton cranes and placed on heavy-duty foundation pads at Pier 179 North, Philadelphia.

Association Meetings

American Association of Colleges of Pharmacy, annual meeting, Boulder, Colo., July 3-5.

American Chemical Society, national meeting, New York, September 11-16.

American Chemical Society, division of physical chemistry, symposium on status of problems in molecular structure, Seattle, Wash., June 27-29.

American Petroleum Institute, division of production, eastern district meeting, Greenbrier hotel, White Sulphur Springs, W. Va., July 28-30.

American Pharmaceutical Association, annual meeting, Shoreham hotel, Washington, D. C., August 14-20.

American Society for Testing Materials, annual meeting. Chalfonte-Haddon Hall, Atlantic City, N. J., June 26-July 1.

Armed Forces Chemical Association, annual meeting, Sheraton-Park hotel, Washington, D. C., September 15-16.

Association of Consulting Chemists & Chemical Engineers, annual meeting, Shelburne hotel, New York, October 25.

Canadian Agricultural Chemicals Association, annual meeting, Britannia hotel, Lake of Bays, Muskoka, Ontario, September 12-14.

Canadian Manufacturers of Chemical Specialties Association, annual meeting, Queen Elizabeth hotel, Montreal, Que., Canada, October 24-26.

Chemical Market Research Association, Wentworth - by - the - Sea, Portsmouth, N. H., September 22-23; Pittsburgh Hilton hotel, Pittsburgh, Pa., November 9-10.

Drug, Chemical & Allied Trades Association, spring luncheon meeting, Commodore hotel, New York, June 21; annual meeting, Sagamore hotel, Bolton Landing, Lake George, N. Y., September 15-18.

Electrochemical Society, Shamrock hotel, Houston, Tex., October 9-13.

Federation of Societies for Paint Technology, annual meeting, Sherman hotel, Chicago, October 31-November 2.

Gordon Research Conferences: Nuclear chemistry, Colby Junior College, New London, N. H.; proteins and nucleic acid, New Hampshire School, New Hampton, N. H.; physical metallurgy—relation of structure and properties, Kimball Union Academy, Meriden, N. H., June 27-July 1.

National Agricultural Chemicals Association, annual meeting, Del Coronado hotel, Coronado, Calif., September 27-29.

National Foreign Trade Council, national meeting, Waldorf-Astoria hotel, New York, November 14-16.

National Paint, Varnish & Lacquer Association, annual convention, Drake hotel, Chicago, October 27-29.

Parenteral Drug Association, Edgewater Beach hotel, Chicago, June 24; annual convention, Statler hotel, New York, October 19-21.

Pharmaceutical Manufacturers Association, eastern regional meeting, Waldorf-Astoria hotel, New York, December 12-14.

Salesmen's Association of the American Chemical Industry, annual sales clinic, Roosevelt hotel, New York, November 14.

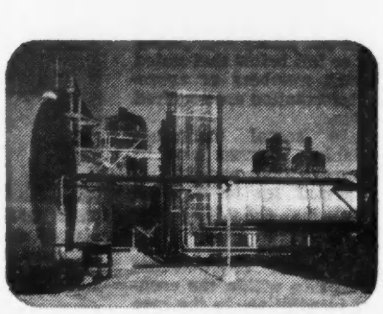
Society of Chemical Industry, annual meeting, Bristol, England, July 4-9.

Society of the Plastics Industry, New England section conference, Wentworth-by-the-Sea, Portsmouth, N. H., October 13-14.

Stanford Research Institute, symposium on chemical reactions in the lower and upper atmosphere, Mark Hopkins Hotel, San Francisco, April 18-20, 1961.

Toilet Goods Association, annual meeting, Poland Spring House, Poland Spring, Maine, June 27-29; scientific section's winter meeting, Waldorf-Astoria hotel, New York, November 30.

Western Packaging & Materials Handling Exposition, Pan Pacific Auditorium, Los Angeles, July 15-21.



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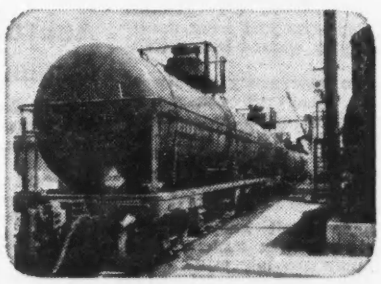

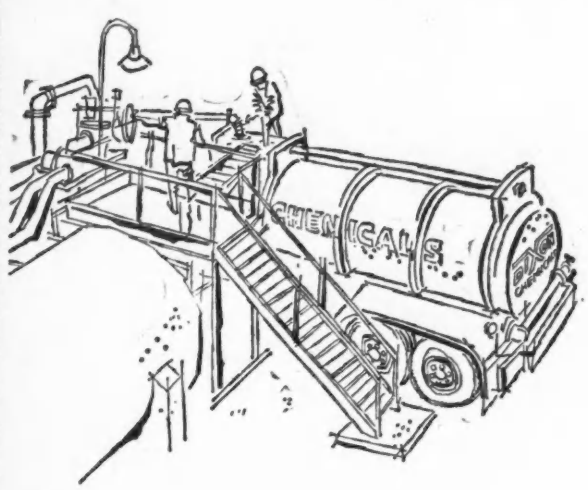

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, June 24 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Abies siberica oil, ens. ..... lb. 1.90 - 2.40
Acacia (see Arabic gum).
Acetaldehyde 99%, dms., c.l., works. lb. .12 - —
dms., l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld lb. .32½- —
bbls., bgs., ton lots, frt. alld. lb. .33½- —
bbls., bgs., smaller lots, frt. alld lb. .35½- —
USP, bbls., 225-lb. dms., any quantity lb. .79 - —
100-lb. dms., any quantity lb. .81 - —
Acetic acid, coml., or redist., 28%, bbls 100 lbs. 4.80 - —
56%, bbls. ..... 100 lbs. 8.25 - —
70%, bbls. ..... 100 lbs. 9.95 - —
80%, bbls. ..... 100 lbs. 10.45 - —
Acetic acid, glacial, syn., CP, dms., dlvd ..100 lbs. 22.00 -23.00
tech., dms., c.l. dlvd ..... 100 lbs. 13.75 - —
dms., l.c.l., dlvd ..... 100 lbs. 15.25 - —
tanks, dlvd ..... 100 lbs. 10.00 - —
USP, cbys., dlvd ..... 100 lbs. 31.00 -32.00
Acetic anhydride, aluminum ret. dms., c.l., dlvd. E lb. .16½- —
aluminum ret. dms., l.c.l., dlvd. E. lb. .18 - —
tanks, dlvd. E ..... lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
fib. dms., l.c.l., dlvd ..... lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd lb. 1.35 - —
fib. dms., l.c.l., dlvd ..... lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd lb. .82 - —
fib. dms., l.c.l, dlvd ..... lb. .83 - —
Acetone, CP, dms., c.l., dlvd .. lb. .11 - —
dms., l.c.l., dlvd ..... lb. .12½- —
tanks, dlvd. ..... lb. .08½- —
Acetonitrile, dms., c.l., t.l., dlvd lb. .35 - —
dms., l.c.l., dlvd ..... lb. .36½- .37
tanks, dlvd. ..... lb. .32 - —
Acetophenetidin, USP, 200-lb. dms., 1,000 lbs., frt. alld lb. 1.22 - —
100-lb. dms., 1,000 lbs., frt. alld. lb. 1.24 - —
Acetophenone, ens., dms ..... lb. .42 - 1.30
Tech., dms., c.l., works ..... lb. .47 - —
dms., l.c.l., works ..... lb. .47¾- —
tanks, works ..... lb. .45 - —
N-Acetyl-p-aminophenol, dms., t.l. (min. 23,000 lbs.), frt. adjusted lb. 1.24 - —
dms., smaller lots, same basis lb. 1.35 - 1.63
dms., 5,000-lb. lots, same basis lb. 1.30 - 1.45
Acetylene black, imp., bgs., c.l., duty and freight extra lb. .19 - —
cs., l.c.l., ex whse ..... lb. .24½- .30
Acetylene tetrabromide, 16-dm. lots or more, f.o.b. works lb. .53 - —
Acetylsalicylic acid, USP, special, makers, primary distr., bbls., 1,000-lb. lots, point of shipt. lb. .63½- —
USP, standard, fine, cryst., gran., (20-40 mesh) powd., (80 mesh) 250-lb. bbls., c.l., t.l., same basis lb. .53¼- —
Freight equald, shipt. identical quantity over standard routes, from N.Y., Phila., Midland, Mich., Chicago and St. Louis.
Acetyltributyl citrate, tech., non-ret, dms., c.l., frt. alld. E. of Denver lb. .35½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .36½- —
tanks, frt. alld. E. of Denver, lb. .33 - —
non-ret. dms., c.l., frt. alld. E. of Denver lb. .39½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .40½- —
tanks, frt. alld. E. of Denver lb. .37 - —

ACIDS

Acid quotations are listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Aconite root, bls. ..... lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .51 - —
dms., l.c.l. works ..... lb. .51¾- —
tanks, works ..... lb. .46 - —
Acrylamide, dms., t.l., f.o.b. works, lb. .58 - —
dms., l.t.l., same basis ..... lb. .60 - —
Acrylic acid, glacial, dms, c.l., t.l., frt. alld. lb. .57 - —
dms., l.c.l., l.t.l., frt. alld ... lb. .58 - —
Acrylonitrile, dms., c.l., t.l., frt. equald lb. .26 - —
dms., l.c.l., l.t.l., frt. alld ..... lb. .27 - —
tanks, frt. equald ..... lb. .23 - —

Abies Siberica Oil—Ammonium Bicarbonate

Adeps lanae (see lanolin).
Adipic acid, bgs., c.l., dlvd ..... lb. .32¼- —
bgs., l.c.l., dlvd. ..... lb. .33 - —
Agar, USP, Kobe No. 1, strip, bls. lb. 2.40 - 2.50
powd., 30 mesh., fib., dms lb. 2.40 - —
dl-Alanine, dms., 100-lbs. or more, f.o.b. works lb. 5.25 - —
dms., 1-99 lbs., same basis .. lb. 10.00 - —
Aldol, 95%, dms., l.c.l., works lb. .28 - —
Aldrin, tech., fib. dms., c.l., t.l. dlvd lb. .99 - —
fib. dms., l.c.l., dlvd ..... lb. 1.04 - —

ALCOHOLS

Alcohol quotations are listed individually. For example, prices on Alcohol, furfuryl, may be found in the F's under Furfuryl alcohol.

Aletris root, bgs ..... lb. 1.50 - 1.75
Algin (see Sodium alginate)
Alizarin (see 1,2-Dihydroxy anthraquinone).
Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies lb. 2.38 - —
Alkali blue, toner, litho flushed, 125-lb. bbls., same basis, lb. 1.35 - —
Alkali blue prices 1c. higher W. of Rockies.
Allethrin, 90%, dms., frt. alld lb. 28.80 -28.90
Soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb. 6.50 - 6.55
2½% dms. frt alld. ..... lb. .95 - 1.10
Allspice oil (see Pimento oil).
Allyl alcohol, dms., c.l. dlvd. .... lb. .32½- —
dms., l.c.l., dlvd. ..... lb. .34 - —
tanks, dlvd. ..... lb. .30 - —
Allyl bromide 55-lb. cbys. 5,005 lbs. or more, works lb. 1.47 - —
55-lb. cbys., 1,045 to 4,950 lbs., works lb. 1.52 - —
55-lb. cbys., 55 to 990 lbs. works, lb. 1.57 - —
Allyl chloride, dms., c.l., dlvd .. lb. .17½- —
dms., l.c.l., dlvd ..... lb. .19 - —
tanks, dlvd ..... lb. .15 - —
Allyl isothiocyanate (see Mustard Oil, syn.).
Almond oil, artif., bitter (see Benzaldehyde)
Almond oil, nat., bitter, f.p.a., bots. lb. 2.75 - 3.45
NF, bots. ..... lb. 3.00 - 3.30
sweet, USP, cns., dms ..... lb. .70 - 1.30

Abbreviations

Used in OPD Market Quotations

alld.	allowed
amorph.	amorphous
AMP	American melting point
anhyd.	anhydrous
AOAC	Association of Official Agricultural Chemists
a.p.a.	available phosphoric acid
approx.	approximately
artif.	artificial
ASTM	American Society for Testing Materials
Atl.	Atlantic
Be.	Baume
bbls.	barrels
bgs.	bags
bls.	bales
bots.	bottles
b.p.	boiling point
b.p.l.	bone phosphate of lime
b.r.	boiling range
bxs.	boxes
C.	centigrade
cbys.	carboys
CD	completely denatured
c.i.f.	cost, insurance, freight
cks.	casks
c.l.	carlots
cns.	cans
coml.	commercial
conc.	concentrated
CP	chemically pure
cps.	centipoises
cryst.	crystalline
cs.	cases
ctns.	cartons
cyls.	cylinders
d-	dextro
dbl.	double
denat.	denatured
dest-dist.	destructively—distilled
dl-	dextro-laevo
dist.	distilled
distr.	distributor
djns.	demijohns
dlvd.	delivered
dms.	drums
dom.	domestic
E.	east
e.p.	end point
equald.	equalized
exp.	expressed
Ext.	external
F.	fahrenheit
ferment.	fermentation
f.f.a.	free fatty acid
f.f.c.	free from chlorine
fib.	fiber
f.o.b.	free on board
f.p.a.	free of prussic acid
frt.	freight
gal.	gallon
gran.	granular
grd.	ground
i.&a.	iron and aluminum
i.b.p.	initial boiling point
imp.	imported
incl.	included
indust.	industrial
kgs.	kegs
l-	laevo
lacq.	lacquer
lb.	pound
l.c.l.	less carlots
l.t.l.	less truckload
liq.	liquid
mfrs.	manufacturers
m-	meta
m.a.p.	mixed aniline point
min.	minimum
m.p.	melting point
N-	nitrogen
n-	normal
nat.	natural
neut.	neutral
NF	National Formulary
NNR	New and Nonofficial Remedies
No.	number
nom.	nominal
o-	ortho
ord.	ordinary
oz.	ounce
p-	para
Pac.	Pacific
pf.	proof
phos.	phosphate
photo.	photographic
pkgs.	packages
powd.	powdered
precip.	precipitated
prod.	producer
pt.	point
pulv.	pulverized
purif.	purified
redist.	redistilled
refd.	refined
refy.	refinery
reg.	regular
resub.	resublimed
ret.	returnable
SD	specially denatured
s.d.	single distilled
S.E.	southeast
sec.	secondary
secs.	seconds
s.g.	specific gravity
shipt.	shipment
soln.	solution
s.u.	standard unit
syn.	synthetic
tanks.	railroad tankcars
tech.	technical
tert-	tertiary
t.l.	truckloads
t.w.	tankwagons
USP	U. S. Pharmacopoeia
vis.	viscosity
VM&P	varnish makers & painters
W.	west
whse.	warehouse
w.w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Aloe, Cape, cs ..... lb. .30 - .35
powd., cs. ..... lb. .50 - .55
Curacao, kgs. ..... lb. .60 - .70
powd., kgs. ..... lb. .58 - —
Aloin, USP, bbls., dms., kgs .... lb. 3.25 - 3.75
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpinol (see a-Terpinol).
Alphatocopherol (see a-Tocopherol).
Alum ammonium, gran., bgs., works 100 lbs. 4.30 - —
Lump, dms., works ..... 100 lbs. 5.05 - —
Powd., dms., works ..... 100 lbs. 5.20 - —
USP, burnt., dms ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum potassium, gran., bgs., works. 100 lbs. 4.55 - —
Lump, dms., works ..... 100 lbs. 5.30 - —
Powd., dms., works ..... 100 lbs. 5.45 - —
USP, burnt., dms ..... lb. .20 - .21
USP, hydrous, dms ..... lb. .07¾- .08
Alum, potash-chrome, dms ..... lb. .17 - —
Alumina, calcined, bgs., c.l., works. lb. .05¼- —
bgs., l.c.l., works ..... lb. .05½- .08¼
Aluminum acetate, basic soln., 24%, bbls., l.c.l. works lb. .14 - —
Aluminum chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .16 - —
dms., l.c.l., works ..... lb. .16½- —
cryst., dms., c.l., works 100 lbs. 21.00 - —
dms., l.c.l., works 100 lbs. 21.50 - —
Soln., 32° cbys., c.l., works ... lb. .0495- —
cbys., l.c.l., works ..... lb. .0570- .1099
tanks, works ..... 100 lbs. 3.95 - —
NF, gran., dms., works ..... lb. .31 - .32
Aluminum fluoride, tech., anhyd., bgs., c.l., works lb. .16¼- —
bgs., l.c.l., works ..... lb. .17¼- .19¼
bulk, c.l., basis 80% .... lb. .14½- —
Aluminum fluoride in fib. dms. 0.35c per lb. higher
Aluminum formate, basic soln., containers extra, c.l., works. 100 lbs. 11.00 - —
containers extra, l.c.l., works. 100 lbs. 11.50 - —
Aluminum hydrate, heavy, bgs., c.l., frt. equald lb. .0365- —
bgs., 20,000-40,000 lb. lots, same basis lb. .039 - —
bgs., 2,000-20,000 lb. lots, same basis lb. .049 - —
bulk, c.l., same basis .. lb. .03¼- —
Aluminum hydroxide, dried, USP XV, fib. dms., works lb. .82½- —
fib. dms., contract, works lb. .79½- —
Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib dms., works lb. .22 - —
9-9½% Al_2O_3, fib. dms., works. lb. .19 - —
fib. dms., contract, works lb. .18 - —
Aluminum hydroxide, tech., powd., (see Aluminum hydrate).
Aluminum metal, 99½% + 30-lb. ingots, 10,000-lb. lots, frt. alld lb. .2810- —
50-lb. pigs, 10,000-lb. lots, frt alld. lb. .29 - —
Aluminum oxide, amorphous (see Alumina, calcined).
Aluminum paste, lining, extra-fine, dms lb. .71 - —
Standard grade, dms ..... lb. .48½- —
Aluminum powder, lining, extra-fine, dms .lb. 1.13 - —
Standard grade, dms ..... lb. .83 - —
Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs. 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or more.
Aluminum resinate, precip., 3.4% Al_2, dms lb. .40¼- —
Aluminum stearate, dibasic, ctns., c.l. lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Monobasic, ctns., c.l. ..... lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Tribasic, ctns., c.l. ..... lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Aluminum sulfate, coml., grd., bgs. c.l., works, frt. equald ton 41.00 - —
bulk, c.l., same basis ..... ton 40.00 - —
lump, bgs., c.l., same basis ton 44.00 - —
iron-free, bgs., c.l., works, frt. equald .100 lbs. 3.80 - —
bgs., l.c.l., works, frt. equald. 100 lbs. 4.30 - 8.30
USP, gran., 400-lb. dm., works. lb. .30 - —
USP, powd., dms., works ..... lb. .27 - —
Aluminum sulfate prices $1 per ton higher in the South.
Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots ..... oz. 6.50 -10.00
P-Aminoacetanilide, tech., paste, dms., frt. alld lb. 1.57 - —
Aminoacetic acid, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Aminoazotoluene base, bbls., 100% basis lb. 1.03 - 1.18
p-Aminobenzoic acid, tech., dry, dms., works lb. 1.72 - —
2-Amino-4-chlorophenol, tech., solid, dms., frt. alld lb. 8.10 - —
p-Aminodiphenylamine, tech., solid, dms., frt. alld lb. 3.00 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .475 - —
dms., l.c.l., dlvd ..... lb. .49 - —
tanks, dlvd. ..... lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
dms., l.c.l., frt. alld. ..... lb. .45 - —
tanks, frt. alld. ..... lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
dms., smaller lots. ..... lbs. 2.50 - —
p-Aminophenol, dms., frt. alld. lb. 1.15 - —
Aminophylline, USP, 100-lb. dm., frt. alld lb. 3.25 - —
p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted lb. 3.40 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald. E. of Rockies .ton. 88.00 - —
refrigeration, tanks, works, frt. equald. E. of Rockies ton. 90.50 - —
Aqueous, 29.4%, tanks, works, anhyd. basis, E. of Rockies. ton. 91.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal., gray, bgs., c.l., works, frt. equald ..100 lbs. 8.25 - —
bgs., l.c.l., same basis ..100 lbs. 8.65 -12.65
Ammoniac, sal., white (see Ammonium chloride, tech.)
Ammonium acetate, purif., dms lb. .40 - —
Ammonium benzoate, USP, fib. dms. ton lots, works lb. 1.00 - —
fib dms. 1,000-lb. lots, works. lb. 1.03 - —
Ammonium biborate, gran., dms., cl., works ton. 325 - —
dms., ton lots, ex whse. 100 lbs. 20.40 - —
dms., smaller lots, ex whse. 100 lbs. 21.15 - —
Ammonium bicarbonate, dom., dms., c.l., works .100 lbs. 7.00 - —
dms., l.c.l., works ..... 100 lbs. 9.00 - —

Ammonium bichromate, dms., works. lb. .42 - .43
Ammonium bifluoride, dms., dlvd lb. .2145- .2245
Ammonium bromide, NF, gran., dms., c.l., t.l., frt. equald lb. .44 - —
dms., l.c.l., same basis lb. .45 - —
Ammonium carbonate, USP, lump, dms., c.l lb. .15½- —
Ammonium chloride, white, tech., fine gran., bgs., c.l., works. 100 lbs. 5.75 - —
bgs., l.c.l., works 100 lbs. 7.75 - 8.20
USP, gran., 250-lb. dm lb. .17¼- —
Ammonium citrate, dibasic, 250-lb. dm, f.o.b. works lb. .77 - —
Ammonium dichromate (see Ammonium bichromate)
Ammonium fluoride (see Ammonium bifluoride)
Ammonium gluconate, tech., 200-lb. dm., f.o.b. works E lb. .45 - —
Ammonium hydroxide (see Ammonia aqeous).
Ammonium iodide, NF, 25-lb. jar, f.o.b. works lb. 4.26 - —
Ammonium lauryl sulfate, dms., c.l., frt. alld lb. .20½- —
dms., l.t.l., frt. alld lb .21½- —
tanks, frt. alld lb. .19½- —
Ammonium lignin sulfonate, bgs., c.l., works 100 lbs. 3.25 - —
bgs., l.c.l., works 100 lbs. 3.40 - 3.65
Ammonium linoleate, 80%, dms., works lb. .50 - .55
Ammonium molybdate, CP, cryst., 400- lb. dms., 15,000-lbs. works. lb 1.22 - —
400-lb. dms., 2,000-lb. contracts, works lb. 1.23 - —
400-lb. dms., works lb. 1.24 - —
Ammonium nitrate, dom., fertilizer grade, 33.5% N, bgs., f.o.b. works ton.68.00 - —
with dolomite, 20.5% N, bgs., c.l., Hopewell, Va ton.48.00 - —
Imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $3 ton base price ton.68.00 - —
Ammonium oxalate, tech., fine gran., 250-lb. dm., f.o.b works E lb. .28½- —
Tech., powd., 200-lb. dm., same basis lb. .28½- —
Ammonium pentaborate, gran., bgs., c.l., works ton.193.00 - —
bgs., ton lots, ex whse 100 lbs.14.23 - —
bgs., smaller lots, ex whse. 100 lbs.15.48 -17.48
Ammonium pentaborate powder $10 per ton higher in bags.
Ammonium persulfate, tech., dms., 10-ton lots or more, works lb. .18 - —
dms., smaller lots, works lb. .20 - .23
Ammonium phosphate, comi., bgs., c.l., works, frt. equald lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Dibasic, NF, V, bbls., dms lb. .46 - —
Dibasic, tech., bgs., c.l., works, frt. alld lb. .09¼- —
Ammonium silicofluoride, dms., works lb. .12¼- .13¾
Ammonium sulfamate, bgs., c.l., t.l., works lb. .19 - —
bgs., l.c.l., works lb. .20½- .27
Ammonium sulfate, standard granular, bulk, f.o.b. works, base price ton.32.00 - —
Ammonium sulfate, standard, gran., purif., c.l., 100-lb. bgs., f.o.b. works lb. .08½- —
Large granular, bulk, c.l., works. ton.35.00 - —
bgs., c.l., works ton.40.00 - —
Tech., bulk, c.l., t.l., works ton.52.00 - —
bgs., c.l., t.l., works ton.56.00 - —
bgs., l.c.l., l.t.l., works 100 lbs. 3.20 - 5.20
Ammonium sulfide, liq., 40-44%, tanks, frt. equald., 100% basis. ton.160.00 - —
Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Ammonium thiocyanate, tech., cryst., dms., c.l., works lb. .20 - —
dms., l.c.l., works lb. .22 - .26
Tech, soln., 50%, tanks, frt. equald., basis ammonium thiocyanate content lb. .17¼- —
Ammonium thioglycolate, coml., 55-gal. dms., ton lots, 100% basis lb. 1.15 - —
d-Amphetamine hydrochloride, monobasic, dms lb.17.50 -23.50
dl-Amphetamine hydrochloride, dibasic, dms lb. 4.50 - 6.00
d-Amphetamine phosphate, fib. dms., 100-lb. lots lb.15.00 - —
dl-Amphetamine phosphate, dms.lb. 4.20 - 5.60
d-Amphetamine sulfate, fib. dms. lb.15.00 -17.00
dl-Amphetamine sulfate, fib. dms., lb. 4.20 - 5.60
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt. alld. E. of Rockies lb. .18½- .19
dms., l.c.l., same basis lb. .20 - .20½
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg., dms., c.l., dlvd lb. .19 - —
dms., l.c.l., dlvd. lb. .21½- —
tanks, dlvd. lb. .16½- —
tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd. lb. .18½- —
tanks, dlvd. lb. .14½- —
Amyl acetate, syn., oxo process, dms., c.l., dlvd lb. .19 - —
dms., c.l., dlvd. lb. .20½- —
tanks, dlvd. lb. .16½- —
Amyl alcohol, ex fusel oil (see Fusel oil refd).
Amyl alcohol, ferment, refd., 128°-132°C., dms., l.c.l., dlvd lb. .43½- —
refd., ACS grade, dms., l.c.l., dlvd lb. .45½- —
ex pentane, mixed amyls, dms., c.l., frt. alld lb. .19 - —
dms., l.c.l., frt. alld lb. .20½- —
tanks, frt. alld. lb. .16½- —
Amyl alcohol, primary, dms., c.l., frt. alld lb. .19¾- .20¼
dms., l.c.l., frt. alld. lb. .21¼- .21¾
tanks, frt. alld. lb. .17¼- .17¾
Sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., same basis lb. .20½- —
tanks, same basis lb. .17 - —
Tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
dms., l.c.l., frt. alld. E. lb. .18½- —
tanks, frt. alld. E. lb. .14½- —
Amyl alcohol, 1-pentanol (syn. normal), dms., c.l., works lb. .41½- —
dms., l.c.l., works lb. .43 - —
tanks, works lb. .39½- —
2-pentanol, dms., c.l., works lb. .65 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms. lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.70 - 2.20
p-tert Amyl phenol, dms., c.l., works. lb. .26¾- —
dms., l.c.l., works lb. .27¾- —
Amyl salicylate, cns., dms. lb. .71 - —
Amyris oil, dms. lb. 1.65 - 2.05
Anethole, tech., dms. lb. .92 - 1.00
USP, cns., dms. lb. 1.08 - 1.80
Angelica root, bls lb. .85 - .90
Angelica root oil, bots lb.120.00 -140.00
Angelica seed oil, bots lb.120.00 -130.00
Aniline dms., c.l., frt. alld lb. .20 - —
dms., l.c.l., frt. alld. lb. .21 - —
tanks, frt. alld. lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., t.l., 20,000 lbs. min., frt. alld lb. .33 - —
dms., l.c.l., same basis lb. .35 - —
Anise oil, USP, dms. lb. 1.75 - 3.00
Anise seed, Mexican, bgs. lb. .16 - —
Spanish, bgs. lb. .16½- —
Anisic aldehyde, dms lb. 1.50 - 2.20
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 90-95%, dms., c.l., t.l. f.o.b., works lb. .42½- —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .45 - —
Anthranilic acid, 99%, 150-lb. dms., dlvd lb. 1.15 - —
Anthraquinone, 99.5%, bbls., c.l., frt alld lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —
Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines. lb. .29 - —
cs., c.l., mines lb. .29½- —
Antimony oxide, bgs., c.l., frt. alld. lb. .26½- —
bgs., l.c.l., frt. alld. lb. .28 - —
Prices of antimony oxide are 2% higher west of the Rockies.
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots, dlvd lb. .23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb., dm., f.o.b. works, E lb. .69½- —
USP, powd., 250-lb. dm., same basis lb. .74½- —
Apomorphine hydrochloride, USP, bots., 25-oz. lots oz.35.60 - —
Apricot kernel oil, USP, dms lb. .55 - .70
Arabic gum, amber sorts, 10 bgs. lb. .27 - —
USP, powd., bbls. lb. .31 - .34
Areca nuts, powd., bbls lb. .13 - —
Arecoline hydrobromide, NF, bots., tins, 100 oz. or more oz. 4.00 - —
1-Arginine, free base, dms., 10-kilo lots or more kilo.90.00 - —
1-Arginine glutamate, dms., 10-kilo lots or more kilo.60.00 - —
1-Arginine monohydrochloride, dms., 10-kilo lots or more kilo.60.00 - —
Arnica flowers (true Montana), bls. lb. .75 - —
Aromatic petroleum solvents (see Solvent Naphtha, petroleum, aromatic).
Arsenic, crude (95%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .0.31 - —
Arsenic trioxide, NF, powd., dms., 300-lbs., f.o.b. works lb. .48 - —
Arsenic, white, powd., bbls., c.l., works lb. .04½- —
bbls., l.c.l., works lb. .06½- .07½
Arsenous acid, tech. (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).
Arylid maroons, deep shades, bbls. lb. 3.70 - —
Light shades, bbls. lb. 2.85 - —
Asafetida gum, cns lb. .36 - .40
Powd., bbls., dms lb. .75 - .80
Asbestine (see Talc, fibrous, New York).
Asbestos, Canadian crude
6D, c.l. (30 tons), mines ton.86.00 - —
7D, c.l. (30 tons), mines ton.75.00 - —
7F, c.l. (30 tons), mines ton.71.00 - —
7H, c.l. (30 tons), mines ton.61.00 - —
7K, c.l. (30 tons), mines ton.50.00 - —
7M, c.l. (30 tons), mines ton.44.00 - —
7R, c.l. (30 tons), mines ton.43.00 - —
7RF, c.l. (30 tons), mines ton.44.00 - —
7T, c.l. (30 tons), mines ton.41.00 - —
7TF, c.l. (30 tons), mines ton.44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP, dms., 100-kilos. kilo. 7.35 - —
dms., less than 100-kilos kilo.7.75 - —
Ash, black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.40.00 - —
ex-whse, N. Y., N. J. ton.86.50 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton.35.00 - —
select, 350°F. fusing pt., bgs., c.l., mines ton.41.00 - —
270°-295°F. fusing pt., bgs., c.l., mines ton40.00 - —
Manjak No. 10 crude, dms., works. lb .07 - —
Petroleum, cut-back, tanks, tank-wagon, refy. gal. .09½- —
emulsion, tanks, tankwagon, refy. gal. .09½- —
steam-refd., 50-80 penetration, tanks, tankwagon, refy. ton.21.00 - —
85-300 penetration, tanks, tank-wagon, refy ton.20.00 - —
Aspirin (see Acetylsalicylic Acid).
Atropine, NF, tins oz. 5.75 - 7.50
Atropine sulfate USP, bots oz. 5.25 - 5.75
Azelaic acid, bgs., c.l., dlvd. lb. .40 - —
bgs., ton lots, same basis lb. .41 - —

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
Balm of Gilead buds, dried, bgs lb. 1.25 - 1.35
Barberry root bark, bgs lb. 1.00 - 1.10
Barbital, NF, 100-lb. dms., f.o.b. works lb. 4.50 - —
Barbital sodium, NF, 100-lb. dms. lb. 4.75 - —
Barium carbonate, precip., bgs., c.l., works ton.111.50 - —
bgs., smaller lots, works ton.126.50 - —
Barium chlorate, dms., works lb. .32 - .41
Barium chloride, anhyd., bgs., c.l., works ton.176.00 - —
bgs., l.c.l., works ton.196.00 - —
NF, cryst., dms., 400-lbs., works lb. .23 - —
Tech., cryst., bgs., c.l., works. 100 lbs. 7.00 - —
bgs., l.c.l., works 100 lbs. 8.00 - —
Barium chromate, bgs., frt. equald. lb. .38 - —
Barium dioxide (see Barium peroxide).
Barium hydrate, cryst., bgs., c.l., t.l., frt. equald ton.208.00 - —
bgs., l.c.l., l.t.l., frt. equald ton.218.00 - —
Barium monohydrate, 99%, bgs., c.l., frt. equald 100 lbs.11.25 - —
bgs., l.c.l., frt. equald 100 lbs.11.75 - —
Barium monoxide (see Barium oxide).
Barium nitrate, bbls., c.l., t.l., dlvd. lb. .16 - —
bbls., l.c.l., l.t.l., dlvd lb. .17 - —
Barium oxide, grd., dms., c.l., t.l., frt equald ton275.00 - —
dms., l.c.l., l.t.l., frt. equald ton.285.00 - —
Barium peroxide, dms., frt. equald. lb .20 - —
Barium stearate, ctns., c.l., frt. alld. lb. .41 - —
ctns., l.c.l. same basis lb. .42 - .46
Barium sulfate, tech. (see Barytes and blanc fixe).
Barium sulfate, X-ray, 100-lb. dm. lb. .19½- —
Barium sulfide, dms., c.l., works. ton.100.00 - —
dms., l.c.l., works ton.110.00 - —
Barytes, southern, off-color, bgs., mines ton.25.00 - —
95-75%, bgs., mines ton.25.00 - —
white, water-grd., paper bgs., c.l., St. Louis ton.55.00 -55.25
paper bgs., ex whse., New York ton79.85 - —
Battery acid, cbys., c.l., works E. 100 lbs. 2.35 - —
cbys, l.c.l., works, E 100 lbs. 2.65 -10.95
Bauxite, bulk, mines ton. 7.00 -10.00
Bay oil, NF, Puerto Rican, 50-55%, cns lb. 2.40 - 2.70
55-60%, cns. lb. 2.50 - 3.05
NF, West Indian, 50-55%, cns., dms lb. 2.35 - —
Bayberry wax, bgs lb. .45 - .50
Beeswax, crude, African bgs. lb. .50 - .52
Brazilian, bgs. lb. .55 - .56
Central American, bgs lb. .53 - —
Chilean, bgs. lb. .56 - —
Refd., USP, bleached white, bricks, 100-lb. ctns lb. .69 - .71
white, slabs, 100-lb. ctns lb. .68 - .70
yellow, bricks, 100-lb. ctns lb. .59 - .61
yellow, slabs, 100-lb. ctns lb. .58 - .60
Belladonna leaf, bls. lb. .24 - .26
Belladonna root, bls. lb. .28 - .35
Bentonite, dom. 200 mesh, bgs., c.l., mines ton.14.00 - —
Imp. Italian, white, high gel., bgs., 5-ton lots, ex whse ton.95.20 - —
bgs., 1-ton lots, ex whse ton.99.00 - —
Imp. Italian, white, low gel., bgs., 5-ton lots, ex whse ton.93.40 - —
bgs., 1-ton lots, ex whse ton.97.16 - —
Benzal chloride, cbys., works lb. .44 - —
Benzaldehyde, NF, dms lb. .80 - 1.05
Tech., dms., c.l., t.l. lb. .47 - —
dms., l.c.l. lb. .48 - —
Benzene, pure or nitration, tanks, works:
Bethlehem, Pa gal. .34 - —
Birmingham district gal. .34 - —
Chicago district gal. .34 - —
Cleveland district gal. .34 - —
Geneva, Utah gal. .34 - —
Houston, Tex. gal. .34 - .40
Johnstown, Pa. gal. .34 - —
Lackawanna, N. Y. gal. .34 - —
Lone Star, Tex gal. .34 - —
Lorain, Ohio gal. .34 - —
Middletown, Ohio gal. .34 - —
Mennequa, Colo. gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .34 - —
Sparrows Point, Md. gal. .34 - —
Syracuse, N. Y gla. .34 - —
Terre Haute, Ind gal. .34 - —
Youngstown, Ohio gal. .34 - —
Benzene hexachloride, 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride, tech., high gamma, bgs., c.l., t.l., consignment, dlvd. gamma-unit. .0075 —
bgs., c.l., t.l., direct sale, f.o.b. works gamma-unit. .0065- —
Tech., low gamma, bgs., c.l., t.l., consignment, dlvd gamma-unit. .0075- —
bgs., c.l., t.l., direct sale, f.o.b. works gamma-unit. .0056- —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.19 - —
bbls., l.c.l., same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow, AAA, bbls., dlvd. lb. 2.20 - —
AAOT, bbls., dlvd. lb. 2.55 - —
Lightfast, bbls., dlvd. lb. 3.40 - —
Benzocaine, dms., 100-lbs., frt. alld. lb. 3.25 - —
Benzoic acid, tech., bbls., dms., c.l., t.l., frt., alld lb. .37 - —
bbls., dms., ton lots, same basis lb. .41 - —
bbls., dms., 1,000-lb lots, same basis lb. .43 - —
USP, bbls., dms., ton lots lb. .48 - —
bbls., dms., 1,000-lb lots lb. .50 - —

BENZOL

Benzol quotations, both coaltar and petroleum, may be found under Benzene.

Benzoin gum, Sumatra, cs. lb. .32 - —
Benzophenone, dms. lb. 1.40 - 1.65
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt. equald lb. .21 - —
cbys., smaller lots, frt. equald lb. .23 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
cbys., l.c.l., same basis lb. .23 - —
tanktrucks, dlvd. Metropolitan area lb. .21 - —
Benzoyl peroxide, purif., fib. dms., 50 to 1,000-lb lots, works lb. .93 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .58 - .79
Benzyl alcohol, NF, dms. lb. .58 - .80
Tech., dms., dlvd. lb. .47½- .65
Benzyl benzoate, USP, 40-lb. dms lb. .62 - 1.00
Benzyl chloride, tech., cbys., dms., c.l., works, frt. equald lb. .22½- .25⅛
cbys., dms., l.c.l., same basis lb. .23½- .25½
tanktrucks, dlvd. Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices are ½c. lower.
Benzyl cinnamate, cns. lb. 3.30 - 3.60
N-Benzyl-N,N-dimethylamine, 50 dms., frt. alld. lb. 1.25 - —
12-49 dms., same basis lb. 1.35 - —
1-11 dms., same basis lb. 1.90 - —
Benzyl formate, cns. lb. 1.85 - 2.10
Benzyl isoeugenol, cns lb. 9.25 - —
Benzyl propionate, bots. lb. 1.35 - 1.65
Benzyl salicylate, bots lb. 1.50 - 1.85
Benzylidine acetone, bots. lb. 1.75 - 1.80
Benzylidine chloride (see Benzal chloride).
Berberine bisulfate, cns lb.56.50 - —
Berberine hydrochloride, bots lb.56.50 - —
Bergamot oil, nat., NF, Italian, cns. lb.11.00 -12.00
Betagammapicoline (see b,g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid).
Betamethylnaphthalene (see Methylnaphthalene).
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphtholamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, tech.).
Biotin, cryst., bots gram.10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil, crude, cns lb. 1.50 - 1.90
Rectified, cns. lb. 1.75 - 2.00
Bismuth chloride, jars lb. 5.11 - —
Bismuth hydroxide, dms lb. 4.60 - 4.65
Bismuth metal, bxs, ton lots lb. 2.25 - —
Bismuth nitrate, cryst., 250-lb. dm. lb. 2.25 - —
Bismuth oxychloride, 25-lb. dm., f.o.b. works lb. 4.42 - —
Bismuth subcarbonate, USP, 150-lb. dm lb. 3.70 - —
Bismuth subgallate, NF, 200-lb. dm., f.o.b. works lb. 4.43 - —
Bismuth subiodide, fib dms lb. 5.37 - —
Bismuth subnitrate, NF, 200-lb. dm., f.o.b. works lb. 3.15 - —
Bismuth subsalicylate, USP, 100-lb. dm., f.o.b. works lb. 4.25 - —
Bismuth trioxide, 100-lb. dms., f.o.b. works lb. 4.40 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Bisphenol-A bgs., c.l., t.l., single shipt., 70,000-lbs. or more, frt. alld lb. .29½- —
bgs., c.l., t.l., less than 70,000 lbs., same basis lb. .30 - —
bgs., l.c.l., same basis lb. .31 - —
Blackberry root bark, bls lb. .50 - .55

BLACK PIGMENTS

Black pigment quotations are listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs., c.l., works ton.145.00 - —
bgs., l.c.l., works ton.155.00 - —
bgs., l.c.l., New York whse ton.195.00 - —
Blood, dried, 16-16½% ammonia, bgs., New York unit-ton. 5.50 - —
Bloodroot, bls lb. .90 - 1.00

BLUE PIGMENTS

Blue pigment quotations are listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

Blue dyes (see Dyes).
Blue vitriol (see Copper sulfate)
Bois de rose oil, Brazilian, dms. lb. 2.10 - —
Peruvian, dms. lb. 1.75 - —
BON acid maroons, pure, bbls lb. 1.75 - —
Resinated, bbls. lb. 1.50 - —
Bone black, dms., l.c.l., frt. alld lb. .2275- .2425
c.l., works lb. .2075- .2225
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed works, E ton.80.00 - —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate precip. (see Calcium phosphate, tribasic).
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.92.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 7.42 - —
bgs., smaller lots, same basis 100 lbs. 8.67 -10.67
bulk, c.l., works ton.83.00 - —
Borax, tech., gran., decahydrate, 99½%, bgs., c.l., works. ton.50.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 5.32 - —
bgs., smaller lots, same basis. 100 lbs. 6.57 - 8.57
bulk, c.l., works ton.43 50 - —
pentahydrate, 99½%, bgs., c.l., works ton.64.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 6.05 - —
bgs., smaller lots, same basis 100 lbs. 7.30 - 9.30
bulk, c.l., works ton.58.00 - —
USP, powd., bgs., c.l., works. ton.54.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 6.45 - —
bgs., smaller lots, same basis. 100 lbs. 7.70 - 9.70
Bordeaux powder, tribasic, bgs., c.l., dlvd. lb. .24 - —
bgs., l.c.l., same basis lb. .26 - —
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton.335.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs.19.62 - —
bgs., smaller lots, same basis. 100 lbs.20.87 -22.87
cryst., 99.9%, bgs., c.l., works. ton.163.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs.11.05 - —
bgs., smaller lots, same basis. 100 lbs.12.30 -14.30
Boric acid, tech., cryst., 99.9%, dms., c.l., works ton.188.50 - —
dms., ton lots, ex whse., New York or Chicago. 100 lbs.12.30 - —
bgs., smaller lots, same basis 100 lbs.13.05 - —
gran., 99.9%, bgs., c.l., works. ton.112.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 8.47 - —
bgs., smaller lots, same basis. ton.174.25 - —
dms., c.l., works ton.137.00 - —
dms., ton lots, ex whse, New York or Chicago 100 lbs. 9.72 - —
dms., smaller lots, same basis 100 lbs.10.47 - —
bulk, c.l., works ton.106.00 - —
powd., bgs., ton lots, ex whse., New York or Chicago. 100 lbs. 8.85 - —
bgs., smaller lots, same basis 100 lbs.10.10 -12.10
Boric acid, powd., dms., smaller lots, same basis 100 lbs.11.45 - —
USP boric acid $25 per ton higher in bags.
Borneol, cns. lb. 2.75 - —
Boron trichloride, CP, 1,800-lb. cyls., works lb. 1.25 - —
100-lb. cyls., works lb. 1.70 - —
Boron trifluoride, gas, cyls., t.l., works lb. .70 - —
cyls., l.t.l., works lb. .70 - —
Brimstone (see Sulfur).
Broenner's acid, bbls lb. 1.53 - —
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .32 - —
cs., l.c.l., same basis lb. .34 - .39
ret. dms., c.l., t.l., dlvd. E. of Rockies lb. .31 - —
ret. dms., l.c.l., same basis lb. .31 - .34
tanks, same basis lb. .21½- —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
dms., l.c.l., same basis lb. .50 - —
tanks, same basis lb. .47 - —
Bromoform, pharmaceutical grade, 100-lb. cbys. lb. 1.80 - 1.90

New flaker in action

Flaked fatty acids that are free from "fines" and dust, and that will not lump in storage, are the specialty of our new flaker at our McCook plant. This new equipment represents a substantial improvement over older flaking methods.

By constantly searching for important processing innovations, Armour can continue to offer such high quality fatty acids as its NEO-FAT® 18. This is Armour's Commercially Pure Stearic, with an extremely low iodine value, high melting point, and an exceptionally high stearic acid content. Neo-fat 18 is especially noted for its stability, purity, and uniformity from lot to lot. These advantages assure your product longer storage stability and shelf-life, better performance, and a quality reputation.

We'll be happy to furnish samples on request. If you'd like to learn more about the way Armour processes fatty acids, you are welcome to visit the Armour plant at McCook, Illinois. Phone or write for details.

If you can't visit the plant, send for the new booklet which describes plant operations: "Progressive Aliphatic Chemistry—a Report on Chemical Development by Armour."

ARMOUR INDUSTRIAL CHEMICAL COMPANY

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Bromstyrol, bots. ..... lb. 5.35 - 5.70
Brucine, cns ..... oz. Nominal.
Brucine sulfate, NF, cns. ..... 1.45 - 1.75
Buchu leaves, bbls. ..... lb. .70 - .75

BROWN PIGMENTS

Brown pigment quotations are listed individually. For example, prices on Brown, Iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, refd. cyls., c.l., refy. lb. .21 - —
cyls., l.c.l., refy. ..... lb. .22 - —
tanks, dlvd. ..... lb. .14½- —
Butene-1, tanks, works ..... lb. .0625- —
Butene-2, tanks, works ..... lb. .0570- —
n-Butyl acetate, ferment, dms., c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis ..... lb. .18½- —
tanks, same basis ..... lb. .14½- —
Syn., dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis ..... lb. .18½- —
tanks, same basis ..... lb. .14½- —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .14¾- —
dms., l.c.l., same basis ..... lb. .16¼- —
tanks, same basis ..... lb. .12¼- —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed frt. alld. E lb. .42½- —
dms., l.t.l., same basis ..... lb. .43½- —
tanks, same basis ..... lb. .40 - —
Prices of n-Butyl acrylate are 1c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
n-Butyl alcohol, ferment, dms., c.l., frt. alld. lb. .18 - —
dms., l.c.l., frt. alld. ..... lb. .19½- —
tanks, frt. alld. ..... lb. .15½- —
n-Butyl alcohol, syn., dms., c.l., dlvd. lb. .18 - —
dms., l.c.l., frt. alld ..... lb. .19½- —
tanks, dlvd. ..... lb. .15½- —
Sec-synthetic, dms., c.l., dlvd. lb. .15 - —
dms., l.c.l., dlvd. ..... lb. .16½- —
tanks, dlvd. ..... lb. .12½- —
n-Butyl alcohol, tert-synthetic, dms., c.l., frt. alld., dlvd E lb. .16 - —
dms., l.c.l., same basis ..... lb. .17½- —
tanks, same basis ..... lb. .13½- —
Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms., c.l., works lb. .37½- —
dms., l.c.l., works ..... lb. .38¼- —
n-Butyl ether, dms., c.l., works lb. .35¼- —
dms., l.c.l., works ..... lb. .36 - —
tanks, works ..... lb. .33¼- —
Butyl lactate, dms., c.l., frt. alld. E. Rockies lb. .42½- —
dms., l.c.l., same basis ..... lb. .43½- —
tanks, same basis ..... lb. .40 - —
Butyl laurate, dms., works ..... lb. .37½- —
Butyl methacrylate, dms., c.l., t.l., works lb. .55 - —
dms., l.c.l., works ..... lb. .55½- —
Butyl oleate, refd., dms., l.c.l., works lb. .32 - —
Butyl phenylacetate, dms. ..... lb. 4.50 - 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate, dms., c.l., frt. alld. E. of Mississippi lb. .27¼- —
dms., l.c.l., same basis ..... lb. .28¼- —
Butylamine (see Mono-, Di- and Tri-butylamine).
tert-Butylamine, dms., c.l., t.l., f.o.b. works lb. .47 - —
dms., l.c.l., same basis ..... lb. .47½- —
tc., t.t., same basis ..... lb. .45 - —
Butylated hydroxyanisole, food grade, dms., dlvd. ..... lb. 4.75 - —
6-tert-Butyl-m-cresol (see Mono-tert-butyl-m-cresol).
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol).
1,3-Butylene glycol, dms., c.l., t.l., dlvd lb. .20½- —
dms., l.c.l., l.t.l., f.o.b. works lb. .22 - —
tanks, dlvd. ..... lb. .18 - —
p-tert-Butylphenol, bgs., c.l., dlvd., lb. .27½- —
bgs., l.c.l., works ..... lb. .28½- —
Butyraldehyde, dms., c.l., dlvd lb. .22 - —
dms., l.c.l., dlvd. ..... lb. .23½- —
tanks, dlvd. ..... lb. .19½- —
Butyric acid, 99%, dms., c.l., frt. equald lb. .34 - —
dms., l.c.l., same basis ..... lb. .34½- —
tanks, same basis ..... lb. .32½- —
Butyric ether (see Ethyl butyrate).
Butyrolactone, dms., c.l., t.l., works. lb. .40 - —
dms., l.c.l., same basis ..... lb. .43 - —

C

Cacao butter (see Cocoa butter).
Cadmium CP red dark shade, bbls., frt. alld. E. of Rockies lb. 5.55 - —
Light shade, bbls., same basis lb. 4.65 - —
medium shade, bbls., same basis. lb. 5.30 - —
Medium light shade, bbls., same basis lb. 4.90 - —
Orange-red shade, bbls., same basis lb. 4.30 - —
Yellow, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.00
Cadmium metal, ingots or sticks, ton lots, cs., dlvd ..... lb. 1.30 - —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. alld E. of Rockies lb. 1.65 - —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.95 - —
Red, light shade, bbls., same basis. lb. 1.72 - —
Red, medium shade, bbls., same basis lb. 1.87 - —
Red, medium light shade, bbls., same basis lb. 1.80 - —
Red, maroon shade, bbls., same basis lb. 2.03 - —
Cadmium-selenide lithopone maroon, bbls., frt. alld E. of Rockies lb. 2.76 - —
Orange, bbls., same basis ..... lb. 1.58 - —
Cadmium-selenide lithopone red, orange-red shade, bbls., same basis lb. 1.72 - —
Red, dark shade, bbls., same basis. lb. 2.56 - —
Red, light shade, bbls., same basis. lb. 1.88 - —
Red, medium shade, bbls., same basis lb. 2.00 - —
Red, medium-light shade, bbls., same basis lb. 2.23 - —
Calmium-selenide lithopone, yellow, all shades, bbls., frt. alld. E. of Rockies lb. 1.19 - —
Caffeine, NF, citrated, dms., 100-lb. lots or more lb. 2.70 - —
USP, nat., cryst., anhyd., dms., 100-lb. lots or more ..... lb. 2.10 - —
Caffeine, USP, nat., cryst., hydrous, dms., 100-lb. lots or more. lb. 1.96 - —
USP, syn., anhyd., dms., 100-lb. lots or more lb. 2.10 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 1.96 - —
Cajuput oil, native, cns. ..... lb. 1.75 - 2.00
Redist., USP, cns. ..... lb. 1.90 - 2.10
Calamine, USP, dms. ..... lb. .34 - —
Calamus oil, bots. ..... lb. 12.00 - 20.00
Calciferol, cryst., 10-kilo or more lots, works gram. .54 - —
1-10 kilo lots ..... gram. .55 - —
Calciferol, in edible oil (see Viosterol).
Calcium p-aminosalicylate trihydrate, fib. dms., 100 lbs. or more, frt. adjusted lb. 3.10 - —
Calcium arsenate, dealers, bgs., c.l., frt. alld. lb. .09 - .09¼
bgs., l.c.l., same basis ..... lb. .10 - .10½
Calcium bromide, NF, jars, 100 lbs. or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb. dms., c.l., dlvd. ton. 149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 10.50 - —
Calcium carbonate, chalk, whiting, 325 mesh, bgs., c.l., works. ton. 32.00 - 34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton. 30.00 - —
10 to 20 microns, bgs., c.l., works ton. 17.00 - 18.00
precip., dense, bgs., c.l., works. ton. 30.00 - 38.50
bgs., l.c.l., works ..... ton. 45.00 - 53.50
medium, bgs., c.l., works ton. 38.00 - —
bgs., l.c.l., works ..... ton. 48.00 - 53.00
surface treated, bgs., c.l., works. ton. 42.00 - 44.00
bgs., l.c.l., works ..... ton. 57.00 - 59.00
ultrafine, bgs., c.l., works. ton. 117.50 - 167.50
bgs., l.c.l., works ..... ton. 137.50 - 187.50
Calcium chloride, conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald. ton. 39.30 - —
Flake, 77-80%, paper bgs., c.l., works, frt. equald ton. 32.00 - —
Liquor, 40%, tanks, frt. equald. ton. 12.50 - —
Powd., 77% min., paper bgs., c.l., works, frt. equald ton. 37.00 - —
Purif., gran., dms. ..... lb. .27 - —
Solid, 73-75%, dms., c.l., frt. equald ton. 29.50 - —
dms., l.c.l., works, frt. equald. ton. 36.00 - 73.00
USP, gran., dms. ..... lb. .32 - —
Calcium chromate, bgs., dlvd lb. .37 - —
Calcium cyanide, dms., c.l., dlvd. E. of Rockies lb. .20 - —
dms., l.c.l., same basis ..... lb. .24 - .55
Calcium cyclamate, 100-lb. dms lb. 1.95 - —
Calcium gluconate, USP, AA grade, 100-lb. dm., ton lb. .73½- —
USP, powd., 100-lb. dm., ton lb. .66½- —
Calcium hydride, lump, dms., works. lb. 2.20 - 3.00
Calcium hypochlorite, high test, gran., 45-lb. cs., dlvd. E. of Rockies cs. 23.85 - 25.60
100-lb. dms., same basis dm. 33.30 - 36.55
Calcium hypophosphite, dms., 1,000-lb. lots lb. 1.28 - —
Calcium iodide, jars ..... lb. 4.52 - —
Calcium lactate, NF, dms., f.o.b. works lb. .43 - .46
Calcium mandelate, USP, 150-lb. dm., works lb. 3.25 - —
Calcium naphthenate, liq., 4% Ca., dms., frt. equald lb. .30 - —
Calcium pantothenate, USP, jars, 1 kilo or more kilo. 35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenosulfonate, dms. ..... lb. 1.24 - 1.25
Calcium phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 16.00 - —
Dibasic, feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton. 86.00 - —
bgs., c.l., t.l., f.o.b. Texas City works ton. 80.50 - —
bgs., l.c.l., frt. equald ton. 96.00 - —
Dibasic, feed grade, 21% P., bgs., c.l., t.l., frt. equald ton. 97.65 - —
bgs., l.c.l., frt. equald ton. 107.65 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bgs., c.l., prices.
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald. 100 lbs. 7.45 - —
bgs., smaller lots, same basis. 100 lbs. 7.95 - —
Tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald. 100 lbs. 10.00 - —
Calcium propionate, any quantity, dms., dlvd. E. of Rockies. lb. .34½- —
Prices W. of Rockies 3c. per lb. more.
Calcium phytate, bgs., 50 lbs. or more, f.o.b. warehouse N. Y. lb. .39 - —
Calcium resinate, precip., dms., ton lots, frt. alld., works lb. .40¼- —
Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
bgs., l.c.l., works ..... lb. .06½- —
Calcium silicate, paint grade (see Wollastonite).
Calcium stearate, ctns., c.l. ..... lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Calcium sulfate (see Gypsum).
Calomel, NF, mild, powd., dms., 100-lbs., f.o.b. works lb. 4.32 - —
NF, mild, precip., dms., 100-lbs., f.o.b. works lb. 5.67 - —
Camphene, 46° m.p., dms. incl., c.l., works lb. .15 - —
dms. incl., l.c.l., same basis lb. .16½- —
tanks, same basis ..... lb. .12½- —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs. lb. 3.63 - 3.70
Nat., USP, powd., cs., 100-lb. lots. lb. .60 - .65
tablets, 1-oz. cs. ..... lb. .85 - .90
Nat., USP, gran., bbls., 2,000-lb. lots lb. .59 - —
Syn., tech., 1 bbl. or more ..... lb. .48 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots ..... lb. .61 - —
tablets, ctns., 1,000-lb. lots. lb. .85 - —
ctns., 500-lb. lots ..... lb. .86 - —
ctns., smaller lots ..... lb. .87 - —
Camphor oil, sassafrassy, dms. ..... lb. .35 - .55
White, dms. ..... lb. .26 - .50
Cananga oil, native, cns. ..... lb. 5.00 - 6.50
Rectified, cns. ..... lb. 7.25 - 10.00
Candelilla wax, crude, bgs. ..... lb. .65 - .66
Refd., pure, bgs. ..... lb. .70 - .71
Powdered Candelilla wax 20 to 100 mesh, 8c. higher.
Cantharides, Chinese, cs. ..... lb. 1.00 - —
powd., bgs. ..... lb. 1.15 - —
Russian, bgs. ..... lb. 2.00 - 2.15
powd., bgs. ..... lb. 2.15 - 2.30
Capric acid, dms. ..... lb. .34 - .36½
tanks ..... lb. .31½- —
Caprolactum monomer, bgs., c.l., t.l., f.o.b. works lb. .52 - —
bgs., l.c.l., l.t.l., same basis lb. .57 - —
tanks, same basis ..... lb. .49 - —
Capryl alcohol, 85% dms., c.l., t.l., works lb. .19 - —
dms., l.t.l., same basis ..... lb. .19½- —
tanks, frt. equald. ..... lb. .16½- —
Sec., 92-99%, dms., c.l., f.o.b. works lb. .22 - —
dms., l.c.l., f.o.b. works ..... lb. .23 - —
tanks, f.o.b. works ..... lb. .19½- —
Caprylic acid, dms. ..... lb. .34 - .36½
tanks ..... lb. .31½- —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms lb. 4.00 - —
NF, from African pepper, dms. lb. 4.50 - —
Caraway oil, NF, dms. ..... lb. 3.15 - 3.40
Caraway seed, Danish, bgs. ..... lb. .16 - —
Dutch, bgs. ..... lb. .17½- —
Polish, bgs. ..... lb. .17¼- —
Carbazole, 97%, bbls, ton lots, works lb. 1.05 - —
Carbon black, channel, rubber beads, bulk, c.l., works lb. .08 - —
bgs., c.l., works ..... lb. .08½- —
bgs., l.c.l., works ..... lb. .16¼- —
Furnace, fast extruding, bgs., c.l., works lb. .06¾- —
ctns., l.c.l., whse. ..... lb. .13½- —
Carbon black, high abrasion, bulk, c.l., works lb. .07¼- —
bgs., c.l., works ..... lb. .07¾- —
bgs., l.c.l., dlvd. or whse. lb. .14½- —
high modulus, bgs., c.l., works. lb. .06¼- —
ctns., l.c.l., whse. ..... lb. .13 - —
semi-reinforcing, bgs., c.l., works lb. .05¾- —
bgs., ctns., l.c.l., whse. ..... lb. .12½- —
pigment, high color beads, ctns., c.l., works lb. .78 - —
ctns., l.c.l., dlvd. or whse. lb. .87 - —
medium color, uncompressed, bgs., c.l., works lb. .14 - —
bgs., l.c.l., dlvd. or whse. lb. .22½- —
Carbon dioxide, indust., wholesale, bulk, 30,000-2,999,999 lbs., dlvd. Metropolitan areas, E. ton. 60.00 - 115.00
bulk, 3,000,000 lbs. or more, dlvd. Metropolitan areas, E. ton. 55.00 - —
Solid, bulk, wholesale, works. ton. 85.00 - —
Carbon disulfide, 55-gal. dms., c.l., works, frt. equald to competitive points lb. .071 - —
55-gal. dms., l.c.l., same basis lb. .086 - .091
5-gal. dms., 30 dms. to c.l., same basis lb. .131 - —
5-gal. dms., less than 30 dms., same basis lb. .161 - —
tanks, dlvd. ..... lb. .0545- —
Carbon tetrachloride, CP, consumers, dms., c.l., frt. alld. lb. .12¾- —
dms., l.c.l., frt. alld. ..... lb. .15¼- —
Tech., consumers, dms., c.l., t.l., frt. alld lb. .11¾- —
dms., l.c.l., l.t.l., frt. alld lb. .14¼- —
tanks, frt. alld ..... lb. .10¾- .11¼
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb lots, works lb. 4.00 - 4.25
dms., smaller lots, works ..... lb. 4.10 - 4.75
Cardamom oil, NF, bots. ..... lb. 39.00 - 42.00
Cardamom seed, bleached "A" lb. 3.20 - —
Bleached "B" ..... lb. 3.10 - —
Decortic ated Alleppey, cs. ..... lb. 2.30 - —
Guatemala, cs. ..... lb. 3.15 - —
Green, Alleppey, bgs. ..... lb. 2.35 - —
Ceylon, bgs. ..... lb. 2.15 - —
Carmine No. 40, NF, bulk, 100-lb. lots or more, dlvd. ..... lb. 16.80 - —
bulk, smaller lots, dlvd. ..... lb. 16.90 - 17.30
Carnauba wax, chalky, bgs., ton lots lb. .70 Nom.
North Country, No. 2, crude, bgs., ton lots lb. .82 - .84
refd., pure, ton lots ..... lb. .86 - .87
North Country, No. 3, Ceara, ton lots lb. .73 - .74
Ceara, refd., pure, bgs., ton lots lb. .83 - .84
North Country, No. 3, Parnahyba, ton lots lb. .74 - .75
Parnahyba, refd., pure, bgs., ton lots lb. .84 - .85
Carnauba wax, No. 1, Ceara, yellow, bgs., ton lots lb. 1.02 - 1.03
Parnahyba, yellow, bgs., ton lots lb. 1.03 - 1.05
Powdered carnauba wax, 20 to 100 mesh 8c. per lb. higher.
Carotene, tech., 1,350,000 A units per gram tins, 5-10 kilo lots, dlvd gram. .20½- —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works million units. .12 - —
USP, microcrystalline in oil, 400,000 A units per gram., dms., dlvd million units. .144 - —
b-Carotene, in vegetable oil, sen.i- kilo. 240.00 - —
solid suspension, 400,000 A units per gram, cns. kilo. 57.60 - —
b-Carotene, liquid in vegetable oil, 500,000 A units per gram, cns. kilo. 72.00 - —
Pure, cryst., 1,600,000 to 1,670,000 A units per gram, cns.
Carvol, bots. ..... lb. 5.00 - 5.40
Cascara sagrada bark, bulk ..... lb. .34 - .36
Casein, dom., edible, acid precip., 30 mesh., bgs., 10,000-lb. lots or more, works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb. lots or more, works lb. .64 - —
Imp., inedible, acid-precip., gro., Argentine, bgs., c.l., ex-dock, Eastern seaports lb. .20¼- .20½
New Zealand, bgs., c.l., same basis lb. .24 - —
Cashewnut shell, liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
dms., ton lots, same basis ..... lb. .23 - —
dms., ton lots, same basis lb. .25 - —
Cassella acid, dms., frt. alld., 100% basis lb. 1.44 - 1.75
Cassia oil, redist., USP, cns ..... lb. 7.50 - 9.00
Cassia, Padang, "A," bls. ..... lb. .30 - —
"B," bls. ..... lb. .29 - —
"C," bls. ..... lb. .28 - —
Korintje "A," bls. ..... lb. .34 - —
"B," bls. ..... lb. .30 - —
"C," bls. ..... lb. .30 - —
Castor oil, dom., blown, dms., c.l. lb. .2550- —
dms., l.c.l. ..... lb. .2650- —
Castor oil, dom., dehydrated, bodied, dms., c.l. lb. .2700- —
dms., l.c.l. ..... lb. .2850- —
tanks ..... lb. .2500- —
dehydrated, unbodied, dms., c.l. lb. .2500- —
dms., l.c.l. ..... lb. .2660- —
tanks ..... lb. .2360- —
hydrogenated, bgs., c.l. ..... lb. .2450- —
bgs., ton lots ..... lb. .2850- —
bgs., l.c.l., dlvd. ..... lb. .3050- —
No. 1, dms., c.l. ..... lb. .2150- —
dms., l.c.l. ..... lb. .2300- —
tanks ..... lb. .2000- —
No. 3, tech., dms., c.l. ..... lb. .2125- —
dms., c.l., ... lb. .2225- —
tanks ..... lb. .1925- —
Refd., deod., dms., c.l. ..... lb. .2650- —
dms., l.c.l. ..... lb. .2750- —
tanks ..... lb. .2450- —
USP, dms., c.l. ..... lb. .2350- —
dms., l.c.l. ..... lb. .2450- —
tanks ..... lb. .2150- —
Imported, No. 1, Braz., tanks lb. .18½- —
Sulfonated, 50%, dms., works lb. .15 - .15½
75%, dms., works ..... lb. .19 - .19½
Castor oil acids, dehydrated, dms. lb. .44¼- .46¼
Split, dms. ..... lb. .37¼- .38¼
Castor pomace, bgs., c.l., works ton. 35.00 - —
Castoreum nat., cns. ..... lb. 5.25 - —
Syn., cns. ..... lb. 9.00 - —
Catechol, CP, cryst., fib., dms., works lb. 2.17½- —
Resub., dms., works ..... lb. 4.29½- —
Catnip leaves, Southern, bls. .... lb. Nominal.
Caustic potash (see Potash caustic).
Caustic soda (see Soda, caustic).
Cedarleaf oil, USP XIII cns., dms. lb. 2.50 - 3.10
Cedarwood oil, cns., dms ..... lb. .75 - .85
Celery seed, French, bgs. ..... lb. .33 - —
Indian, bgs. ..... lb. .19 - —
Cellulose acetate, flake, powd., bgs., t.l., dlvd. E lb. .36 - .51
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
38% butyryl content, half-second, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd. E lb. .585 - .595
Cellulose gum, methyl (see Methyl Cellulose).
Cellulose gum, pure, high vis., bgs., 23,000-lb. lots or more works, frt. alld lb. .57 - —
bgs., smaller lots, same basis lb. .59 - —
Cerium hydrate 74% CeO, fib. dms., 100-lb. lots or more lb. 1.40 - —
77% CeO, fib. dms., 100-lb. lots or more lb. 1.74 - —
Cerium oxalate (see Rare earth oxalate).
Cerium oxide, optical grade, bgs., 50-lb. lots or more, dlvd. lb. 1.85 - 1.90
bgs., smaller lots, dlvd. ..... lb. 2.15 - —
Cetyl alcohol, NF, fib. cns., c.l., t.l., dlvd. E lb. .41½- —
fib. cns., l.c.l., same basis lb. .43½- —
tanks, same basis ..... lb. .39 - —
Extra, cns., c.l., t.l., dlvd. E lb. .48½- —
fib. cns., l.c.l., same basis lb. .50½- —
tanks, same basis ..... lb. .46 - —
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian, bls lb. 1.10 - —
Roman, cs. ..... lb. 1.50 - 1.75
Chamomile oil, blue Hungarian, bots lb. 350.00 - —
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
fib. dms., 5-ton lots, works lb. .26½- .32¼
fib. dms., smaller lots, works lb. .27 - .50
Charcoal, black (see Charcoal, activated).
Charcoal, bone (see Bone black).
Charcoal, hardwood, lump, bulk, c.l., f.o.b. plant ton. 55.00 - —
briquets, bulk, c.l., f.o.b. plant ton. 80.00 - —
5-lb. paper bgs., c.l., same basis ton. 106.00 - —
20-lb. paper bgs., c.l., f.o.b. plant, ton. 90.00 - —
40-lb. paper bgs. c.l., same basis ton. 86.00 - —
Chenopodium oil, NF, cns. ..... lb. 4.15 - 5.00
Chicago acid, paste, bbls., frt. alld. lb. 3.21 - —
Chinawood oil (see Tung oil).
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
dms., l.c.l., works ..... lb. .24 - —
tanks, multiple units, 5 cars, dms., l.c.l., works ..... lb. .21 - —
Chloral hydrate, USP, jars, 1,000-lb. lots lb. 1.00 - —
jars, 500-lb. lots ..... lb. 1.03 - —
jars, 100-lb. lots or less ..... lb. 1.05 - —
Chlordan, agricultural, dms., c.l., frt. alld. lb. .65 - —
dms., l.c.l., 5,000-10,000-lb. lots, frt. alld. lb. .66 - —
Clarified, dms., c.l., frt. alld. lb. .69 - —
dms., l.c.l., 5,000-10,000-lb. lots, frt. alld. lb. .70 - —
Chlorinated paraffin, 42%, dms., c.l., frt. alld. lb. .16¾- —
dms., l.c.l., 10 dms. or more, same basis lb. .17¼- —
70%, dms., c.l., same basis lb. .18½- —
dms., l.c.l., 10 dms. or more, same basis lb. .19½- —
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works lb. .60 - —
ctns., l.c.l., works ..... lb. .61 - —
125, 1,000 cps., ctns., c.l., works. lb. .70 - —
ctns., l.c.l., works ..... lb. .71 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .11 - —
cyls., l.c.l., Metropolitan area lb. .12½- .13¾
tanks, single units, works, frt. equald 100 lbs. 3.25 - —
tanks, multiple units, 5 cars, works, frt. equald 100 lbs. 4.15 - —
tanks, multiple units, 4 cars, same basis 100 lbs. 4.35 - —
tanks, multiple units, 2 cars, same basis 100 lbs. 5.35 - 5.85
tanks, multiple units, 1 car, same basis% 100 lbs. 6.25 - 7.25
Chloroacetic acid, mono, flake, 99%, purif., dms., c.l. lb. .23½- .25¼
dms., l.c.l. ..... lb. .24½- —
tech., flake, 96-97%, dms., c.l., dms., l.c.l., frt. equald lb. .20 - —
frt. equald. lb. .19 - —
2-Chloro-4-aminotoluene, tech., liq., dms., frt. alld lb. 1.03 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.38 - —

6-Chloro-2-aminotoluene, tech., liq., dms., frt. alld. lb. .66 - —
m-Chloroaniline, dms., c.l., frt. alld. lb. .75 - —
dms., l.c.l., same basis lb. .77 - —
tanks, same basis lb. .73 - —
o-Chloroaniline, dms., c.l., frt. alld. lb. .52 - —
dms., l.c.l., same basis lb. .54 - —
tanks, same basis lb. .50 - —
p-Chloroaniline, dms., c.l., frt. alld. lb. .77 - —
dms., l.c.l., same basis lb. .79 - —
o-Chlorobenzaldehyde, dms., t.l., works lb. 1.05 - —
dms., l.t.l., same basis lb. 1.20 - —
p-Chlorobenzaldehyde, dms., l.c.l., works lb. 1.95 - —
o-Chlorobenzoic acid, fib. dms., t.l., works lb. 1.10 - —
fib. dms., smaller lots, works lb. 1.25 - —
p-Chlorobenzoic acid, fib. dms., 2,000-lbs. or more, works. lb. 2.25 - —
fib. dms., less than 2,000-lbs., same basis lb. 2.30 - —
Chloroform, tech., dms., c.l., dlvd. E. lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms., c.l., dlvd. lb. .27 - —
dms., l.c.l., dlvd. lb. .30 - —
tanks, minimum 4,000 gals. dlvd. lb. .23 - —
2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis lb. .81 - —
Powd., dlvd. E., 100% basis lb. .85½- —
4-Chloro-2-nitroaniline, powd., dlvd. E lb. .66 - —
4-Chloro-2-nitrophenol, tech., paste, dms., frt. alld lb. .73 - —
4-Chloro-2-nitrotoluene, tech., solid, dms., frt. alld lb. .99 - —
6-Chloro-2-nitrotoluene, tech., solid, dms., frt. alld lb. .17 - —

o-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
p-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
Chloropicrin, coml., cyls., 180 lbs., frt. alld lb. 1.07 - —
cyls., 100 lbs., same basis lb. 1.08 - —
cyls., 50 lbs., same basis lb. 1.14 - —
Chlorosulfonic acid, dms., c.l., frt. equald lb. .0465- —
dms., l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Chlorosulfonic acid, in stainless steel dms.½c. per lb. higher
o-Chlorotoluene, tech., dms., t.l., works lb. .37 - —
dms., l.c.l., l.t.l., same basis lb. .38 - —
Choline bitartrate, fib. dms., frt. adjusted kilo 2.75 - 3.00
Choline chloride, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Chrome green, CP, dark, light, medium blue content, 1-15%, bbls., dlvd. E. of Rockies. lb. .43 - —
blue content, 16-30%, bbls., same basis lb. .44 - —
medium blue content, 41-45%, bbls., same basis lb. .44 - —
blue content, 45-49%, bbls., same basis lb. .45 - —
Reduced color 25%, bbls., same basis lb. .20 - —
Chrome green prices 1c. higher W. of Rockies.
Chrome orange, CP, bbls., dlvd. E of Rockies lb. .33 - —
Chrome orange prices 1c. higher W. of Rockies.
Chrome yellow, CP, bbls., dlvd. E. of Rockies lb. .35 - —
Chrome yellow price 1c. higher W. of Rockies.

Chromic acid, 99¾%, dms., c.l., works, frt. equald lb. .29½- —
dms., l.c.l., dlvd. N. Y. Metropolitan area lb. .30 - .31
Chromic acid, NF (see Chromium trioxide).
Chromium acetate, soln., 7½%, dms., 500-2,000-lb. lots, works. lb. .10 - —
Chromium fluoride, bbls., works lb. .51 - .52
Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld. lb. 1.20 - —
Pure, bgs., c.l., frt. alld lb. .44½- —
bgs., l.c.l., same basis lb. .45¼- —
Chromium trioxide, NF, bots lb. 1.15 - —
Cinchona bark, NF, red, broken, bgs lb. .25 - —
NF, yellow, broken, bgs lb. .35 - .40
Cinnamic acid, refd., bots lb. 2.50 - 3.50
Cinnamic alcohol, bots. lb. 1.60 - 1.75
Cinnamic aldehyde, dms. lb. .80 - 1.00
Cinnamon, Ceylon, No. 2, bgs lb. .57 - —
Ceylon, No. "0000," bgs lb. .76 - —
Cinnamon bark oil, bots lb. 36.00 -70.00
Cinnamon leaf oil, crude, dms lb. 1.60 - 2.00
USP, (Cassia), cns., dms lb. 8.50 -13.50
Citral, CP, bots. lb. 3.60 - 4.00
Extra, bots. lb. 3.60 - 5.00
Syn., dms. lb. 7.25 - 7.40
Citric acid, USP, anhyd., fine gran., bgs., dms., c.l. lb. .29½- .30
bgs., dms., 10,000-lb. lots, 1 shipt lb. .30 - .30½
bgs., dms., smaller lots lb. .30½- .31
USP, hydrous, fine gran., bgs., dms., c.l. lb. .27½- .28
bgs., dms., 10,000-lb. lots, 1 shipt lb. .28 - .28½
bgs., dms., smaller lots lb. .29 - .29½
Powdered citric acid ½c. per lb. higher.

Citronella oil, Ceylon, dms lb. 1.20 - 1.50
Java-type, dms. lb. .85 - 1.00
Citronellal, bots., dms lb. 1.60 - 2.10
Citronellol, bots., dms. lb. 1.90 - 2.50
Citronellol, synthetic, dms lb. 1.70 - —
Civet, artif., bots lb. 13.75 -15.00
Nat., bots. oz. 8.50 -15.00
Clay, ball., dom., airfloated, bgs., c.l., Tenn ton. 17.50 -21.50
crushed shed moisture, bulk, c.l., Tenn ton. 8.00 -11.00
imp., airfloated, bgs., c.l., Atl. port net-ton. 42.00 -45.75
lump, bulk, Atl. port net-ton. 29.50 -35.75
Clay, China, dom., dry-grd., airfloated, 99%, 325 mesh, Georgia, bgs., c.l., works. ton. 10.00 -12.00
Georgia, bgs., l.c.l., works. ton. 15.50 - —
dom., airfloated, 99%, 300 mesh bgs., c.l., Georgia, works. ton. 13.50 -14.50
bgs., l.c.l., ex-whse ton. 35.00 -36.00
imp., white, lump, bulk, c.l. ex-dock, Philadelphia, Portland, Me long-ton. 20.00 -35.00
white, powd., bgs., c.l., ex dock net-ton. 50.00 - —
bgs., l.c.l., ex whse net-ton. 60.00 -70.00
Cleaners naphtha, petroleum, 105°F Flash, tankcars, New Jersey and New York gal. 18 - —
Group 3 gal. .12875- —
Houston, Texas gal. .145 - —
140°F Flash, tankcars, New Jersey or New York gal. .205 - —
Group 3 gal. .154 - —
Houston, Texas gal. .17 - —

Best detergent raw material for heavy-duty formulations

Oronite's recent product and production achievement provides the detergent industry its best commercial source for a high molecular weight alkylbenzene. And ALKANE "60" can be sulfonated to the same quality as the best dodecylbenzenes. For complete information and technical data on new ALKANE "60" contact the Oronite office nearest you.

IMPROVED FOAM—New ALKANE "60" minimizes the need for foam additives. In dishwashing foam tests results showed the ALKANE "60" based product, without a foam additive, performing as well as dodecylbenzene products which included a foam additive. And in washing machine foam tests ALKANE "60", without a foam additive, performed as well as a typical dodecylbenzene with an additive.

Formulation savings and processing advantages can be obtained by substitution of ALKANE "60" sulfonate for foam additive.

BETTER DETERGENCY—In the Terg-O-Tometer detergency test, ALKANE "60" based heavy-duty detergents proved to be better cleaning agents than dodecylbenzene derived products. The ALKANE "60" based product removed more soil at all concentrations—performed well in both soft and hard water.

PROCESSING—ALKANE "60" can be sulfonated and processed into finished detergents as easily as ALKANE "56", without manufacturing modification. Product results are comparable to the high sulfonation quality obtained with ALKANE "56".

ORONITE CHEMICAL COMPANY
A CALIFORNIA CHEMICAL COMPANY SUBSIDIARY
EXECUTIVE OFFICES - 200 Bush Street, San Francisco 20, California
SALES OFFICES - New York, Boston, Wilmington, Chicago, Cincinnati, Cleveland, Houston, Tulsa, Los Angeles, San Francisco, Seattle
FOREIGN AFFILIATE - California Chemical International, Inc., San Francisco, Geneva, Panama
6550

ORONITE will continue to supply ALKANE "56", the standard of the detergent industry

Cleve's Acid—o-Cresol

Cleve's acid, tech., mixed, solid, dms., frt. alld lb. 1.05 - —
1.6, tech., solid, dms., frt. alld lb. .77 - —
1.7, tech., dms., frt. alld lb. 2.20 - —
Cloves, Madagascar, bgs lb. .40½- —
Zanzibar, bgs lb. 42½- —
Clove bud oil, USP, dms lb. 2.70 - 3.60
Clove leaf oil, crude, dms. lb. 1.25 - —
CMC, crude, 96.4% low or medium vis., bgs. or fib dms., 23,000 lbs., dlvd. E., 100% basis lb. .41½- —
96.4% low, or medium vis., bgs. or fib. dms., less than 23,000 lbs., dlvd. E., 100% basis lb. .43½- —
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .41½- —
bgs. or fib. dms., l.c.l., dlvd. E., 100% basis lb. .43½- —
purif., high vis. (see Cellulose gum).
CMC, standard low or medium vis., bgs., 23,000 lbs., works, frt. alld lb. .57 - —
bgs., smaller lots, same basis, lb. .59 - —
CMC prices W. of the Rockies are 2c. per lb. lower and are on a works basis.
Coaltar, crude, resale for soln., tanks, works gal. .17 - —
Refd., resale, indust., dms., c.l., ex whse gal. .35 - —
dms., l.c.l., ex whse gal. .39 - —
tanks, works gal. .20½- —
Coaltar pitch, aluminum, bulk, works ton.44.00 - —
Carbon and indust., bulk, works ton.44.00 - —
Core, bulk, works ton.40.50 - —
Fiber, bulk, works ton.48.00 - —
Roofing, 140-155 F., Federal Specification RP-381 Type I,
Cobalt acetate, 23.7% Co., dms., dlvd lb. 1.04 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies lb. 4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.
Cobalt blue, imitation (see Ultramarine blue).
Cobalt carbonate, 48% Co., powd., bgs., dlvd lb. 1.45 - —
Cobalt chloride, 24.2% Co., dms., dlvd lb. .93 - —
Cobalt hydrate, 60-61% Co., dms., dlvd lb. 2.05 - —
Cobalt linoleate, fused 8½% Co., dms lb. .71½- —
Liq., 6% Co., dms lb. .57½- —
Cobalt metal, 99% dms., f.o.b. carrier lb. 1.50 - —
Cobalt naphthenate, liq., 6% Co., dms., dlvd lb. .48¾- —
Cobalt nitrate, 20.1% Co., bbls., dlvd. lb. .75 - —
Cobalt oxide, black, ceramic grade, 72½-73½% Co., kgs., dlvd. E. of Mississippi R. lb. 1.15 - —
70-71% Co., kgs., same basis lb. 1.12 - —
Cobalt oxide prices W. of Mississippi R. 3c. per pound higher.
Cobalt phosphate, powd., 32.1% Co., dms., dlvd lb. 1.35 - —
Cobalt resinate, fused, 3% Co., dms. lb. .33½- —
Cobalt sulfate, cryst., 21% Co., dms., dlvd lb. .64 - —
Monohydrated, 33% Co., dms., dlvd lb. 1.09 - —
Cobalt tallate, 6% Co., dms., dlvd. lb. .44 - —
Cocaine, USP, cns., 100-oz. lots, f.o.b. works oz.17.50 - —
Cocaine hydrochloride, cns., 100-oz. lots, f.o.b. works oz.13.75 - —
Cocillana bark, bls lb. .18 - .20
Cocoa butter, bgs lb. .56 - .61
Coconut oil, crude, tanks, New York lb. .15¼ Nom.
tanks, Pac. coast lb. .13½- —
Refd., deodorized, dms. lb. .22 - .22½
Coconut oil acids, dist., dms. lb. .26½- .29
tanks lb. .24 - —
Double dist. (stripped), dms. lb. .27½- .30
tanks lb. .25 - —
Cod oil, dms., spot lb. .08⅜- .08½
Codeine, NF, cns., 100-oz. lots oz.13.25 - —
Codeine hydrochloride, cns., 100-oz. lots oz.11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots oz.10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots oz.10.75 - —
Codliver oil, USP, dms gal. 1.40 - 1.70
Cohosh root, black, bls lb. .20 - .25
Blue, bls. lb. .20 - .25
Colchicine, USP, bots oz.29.00 - —
Colchicum root, bls lb. .35 - .45
Colchicum seed, bgs lb. .75 - .80
Collodion, USP, dms lb. .32½- —
USP, flexible, dms lb. .34 - —
Colocynth pulp, bls. lb. .75 - —
Colombo root, bls lb. .16 - .18
Condurango bark, bls lb. .18 - .20
Congo copal gum, No. 1, bgs lb. .26 - .27
No. 2, bgs. lb. .23 - .25
No. 3, bgs. lb. .18 - .20
Copaiba balsam, cns., dms lb. .60 - .65
Copaiba oil, cns lb. 1.35 - 2.00
Copper acetate, bbls., c.l., works. lb. .53 - —
bbls., l.c.l., works lb. .54 - —
Copper carbonate, 55%, bgs., c.l., works lb. .3635- —
bgs., l.c.l., works lb. .3785- —
Copper chloride, cupric, anhyd., dms., works lb. .45½- .46
cryst., dihydrate, dms., works, lb. .31 - .31½
cryst., dried, dms., works lb. .39¼- .39¾
Copper chloride, cuprous, dms., works lb. .4135- .4435
Copper cyanide, tech., dms., 20,000-lb. lots or more lb. .609 - —
dms., 1,000-lb. lots or more lb. .619 - —
dms., smaller lots lb. .639 - .65
Copper gluconate, dms lb. 3.20 - —
Copper hydrate, dms., c.l., frt. alld. E. of Miss lb. .53½- —
dms., l.c.l., same basis lb. .54 - —
Copper metal, electrolytic, dlvd. Valley basis lb. .33 - .36
Copper naphthenate, liq., 8% Cu, dms, frt. alld lb. .26½- —
Copper nitrate, tech., cryst., dms., works lb. .30¾ .32¾
Copper oleate, solid, 9% Cu, dms., works lb. .45 - —
Copper oxide, black, bbls., 100-5,000-lb lots, works lb. .49¼- —
Copper oxide, red, 97%, USN Type 1, bbls., 100-5,000-lb. lots, lb. .50½- —
90%, USN Type II, bbls., 100-5,000-lb. lots or more, works lb. .48½- —
Copper quinolinolate, 18% Cu, dms., ton lots lb. 4.25 - —
10% active quinolinolate, dms lb. 1.14 - 1.15
Copper resinate, precip., dms., frt. alld lb. .41½- —
Copper sulfate, CP, gran., dms., works lb. .1885- —
Cryst., 99%, bgs., c.l., works. 100 lbs.13.00 - —
bgs., l.c.l., works 100 lbs.13.25 -15.75
Monohydrated, 35%, dms., c.l., works 100 lbs.24.00 - —
dms., l.c.l., works 100 lbs.24.75 - —
Tribasic, distributors, bgs., c.l., works 100 lbs.29.60 - —
bgs., l.c.l., works 100 lbs.31.10 - —
Copper undecylenate, dms lb 2.75 - —
Copra, Atl., Gulf ports, c.i.f. ton.180.00 - —
Pac ports, c.i.f. ton.175.00 - —
Coriander oil, USP, bots. lb. 8.75 - —
Coriander seed, Moroccan, bgs lb. .08 - —
Rumanian, bgs. lb. .07½- —
Yugoslavian, bgs. lb. .08½- —
Corn oil, crude, tanks, works lb. .11⅞- —
Foots (soapstock) acid 95%, tanks, New York lb. .05¼ Nom.
Refd., salad, dms. lb. .1760- .1785
tanks lb. .1560- —
Corn oil acids, dist., dms. lb. .18¾- .18¼
tanks lb. .1648- —
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.30 - —
paper bgs., l.c.l 100 lbs. 7.45 - —
Corn syrup, 42° Be., non-ret. dms., c.l 100 lbs. 7.31 - —
non-ret. dms., l.c.l 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, USP, bots., kilo or more gram. 1.05 - 1.75
Costus oil, bots oz. 6.00 - —
Cottonseed meal, 41%, bgs., Memphis ton.57.00 - —
Cottonseed oil, crude, tanks, South East lb. .10½- —
tanks, Valley lb. .10⅝- —
tanks, Texas, Lubbock lb. .09⅞- —
tanks, Texas, Waco lb. .09⅞- —
Foots (soapstock), acid, 95%, tanks, New York lb. .03½- —
Refd., salad, dms. lb. .15⅝- .15¾
tanks lb. .13⅜- —
Cottonseed oil acids, dist., dms. lb. .15¾- .18¼
tanks lb. .13⅛- —
Coumarin, NF, cryst., dms lb. 3.30 - 3.40
Cramp bark, NF, bls lb. .90 - 1.00
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots., cbys., lb. 3.05 - 3.26
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .24 - —
Crude, soln. 80%, tanks, works, gal. .226 - —
Refd., dms., c.l., works gal. .50 - —
dms., l.c.l., same basis gal. 62 - —
tanks, same basis gal. .38 - —
West Coast creosote prices computed on a basis of 24c. per gallon for straight oil and 20c. per gallon for coaltar.
Creosote, beechwood, cbys., dms., f.o.b. works, dlvd. in Metropolitan area lb. 1.72 - 1.77
Hardwood, NF, cbys., dms., same basis lb. 1.42 - 1.47
Pinewood, dms., incl., c.l., works. lb. .0561- —
dms., incl., l.c.l., works lb. .0634- —
dms., incl., l.c.l., ex whse, New York lb. .0745- —
tanks, works lb. .0460- —
Creosote oil (see Creosote coaltar).
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld lb. .16½- —
non-ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis, lb. .19 - —
tanks, same basis lb. .16 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
dms., l.c.l., works lb. .61 - —
m-p-Cresol, 5-95% 2°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
2,97% 2°C., dms., c.l., frt. equald. lb. .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
o-Cresol, 30.5°C. m.p. and over, ret., dms., c.l., frt. equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
30°-30.49°C. m.p., dms., c.l., frt. equald lb. .16½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14½- —
o-Cresol, 30.5°C. m.p. and over, ret.

Columbia-Southern soda ash customers enjoy these valued assurances . . . do you?

ASSURANCE OF MANUFACTURER—Columbia-Southern has been supplying highest-purity soda ash since 1899. A vigorous research program constantly aims for product improvement.

ASSURANCE OF PRODUCT—Exacting standards are constantly maintained by systematic testing, from high quality raw material through final product.

ASSURANCE OF SELECTION—Columbia-Southern soda ash is available in either light or dense forms with a variety of grades to meet individual processing requirements.

ASSURANCE OF DELIVERY—An alert, experienced Traffic Department expertly routes bulk or bag shipments to any section of the country with the most efficient balance of speed and economy.

ASSURANCE OF TECHNICAL SERVICE—Columbia-Southern Technical Representatives are available for thorough consultation and analysis to determine the most effective use of soda ash in specific processing situations.

We'd like to offer *you* these assurances of satisfaction in your soda ash requirements, and for your other chemical requirements as well. Write or call us at Pittsburgh or at any of our 14 District Sales Offices.

You'll like doing business with Columbia-Southern

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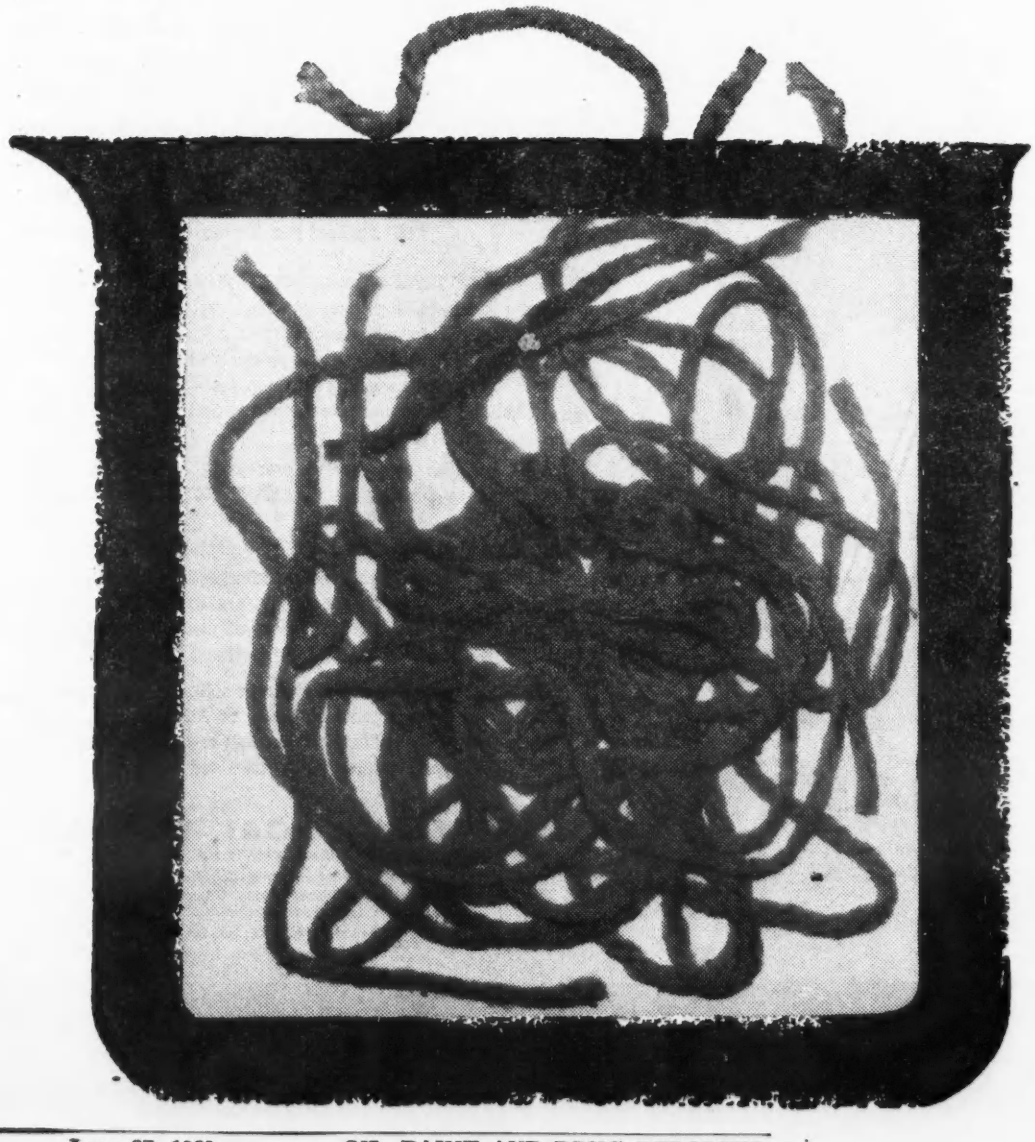


o-Cresol, 29°-29.9° C. m.p., dms., c.l., frt. equald lb. .16 • —
ret. dms., l.c.l., same basis lb. .17 • —
tanks, same basis lb. .14 • —
25°-28°C. m.p., dms., c.l., frt. equald lb. .15 • —
ret. dms., l.c.l., same basis lb. .16 • —
tanks, same basis lb. .13 • —
p-Cresol, 98%, dms., c.l., dlvd lb. .52 • —
dms., l.c.l., dlvd lb. .53 • —
tanks, dlvd. lb. .49 • —
2,3-Cresotic acid, dms., ton lots, works lb. .70 • —
dms., smaller lots, works lb. .72 • —
p-Cresyl methyl ether, cns lb. 1.80 • 2.05
Cresylic acid, coaltar, dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt equald gal. 1.35 • —
dms., l.c.l., same basis gal. 1.40 • —
tanks, same basis gal. 1.15 • —
metapara content 25% or less, dms., c.l., t.l., same basis gal. 1.20 • —
dms., l.c.l., same basis gal. 1.25 • —
tanks, frt. equald gal. 1.00 • —
Cresylic acid, coaltar, imp., meta-para content 25% or less, f.o.b. works, frt. equald, to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms., same basis gal. 1.05 - 1.15
tanks, same basis gal. 1.00 • —
Crotonaldehyde, 91-93%, dms., l.c.l, works lb. .25 • —
Crotonic acid, dms., 200 lbs. or more, l.c.l., dlvd lb. .36 • —
Cryolite, nat., indust., bgs., c.l., works 100 lbs.13.00 • —
bgs., l.c.l. works 100 lbs.14.25 • —
Cube root, powd., 5% rotenone, bgs., t.l., works lb. .21 • —
bgs., l.t.l., works lb. .22 • —
Cubeb berries, NF, bgs. lb. 1.00 • —
Powd., cs. lb. 1.15 • —
Cubeb oil, cns lb.12.00 -16.00
Cumene, dms., c.l., works lb. .12 • —
dms., l.c.l., works lb. .14 • —
tanks, works lb. .11 • —
Cumin seed, Iranian, bgs. lb. .30 • —
Moroccan, bgs. lb. .31 • —
Turkish, bgs. lb. .27 • —
Cumin seed oil, bots., cns lb.15.50 -17.00
Cyanamide, fertilizer, mixing grade, 21% N, gran., bgs., Niagara Falls, Ont., contract. ton.57.00 • —
Fertilizer, pulv., 21% N, bgs., works unit-ton. 2.85 • —
Indust. grade, bgs., c.l. works. ton.75.00 • —
bgs., l.c.l., works ton.96.00 • —
Indust. grade, 6-16 mesh, dms., c.l., works ton.120.00 • —
dms., l.c.l., works ton.140.00 • —
Cyclohexane, 99%, tech., dms., c.l., dlvd. E. of Rockies gal. 1.02 • —
dms., l.c.l., same basis gal. 1.10 • —
dms., c.l., dlvd. W. of Rockies gal. .77 • —
dms., l.c.l., same basis gal. .85 • —
tanks, works gal. .55 • —
98%, tech., 40-dm. lots or more, f.o.b. works gal. .56 • —
5-39 dms., same basis gal. .60 • —
tanks, same basis gal. .36 • —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E lb. .28½- —
dms., l.c.l., works, same basis. lb. .29½- —
tanks, works, same basis lb. .26 • —
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
dms., l.c.l., works lb. .34½- —
tanks, works lb. .31 • —
Cyclohexylamine, dms., c.l., works. lb. .49 • —
dms., l.c.l., works lb. .50 • —
tanks, works lb. .47 • —
Cypress oil, bots. lb. 5.30 • —

D

2,4-D, tech., bgs., dms., c.l., works, frt. equald lb. .40 • —
bgs., dms., l.c.l., same basis lb. .45 • .49
2,4-D butyl ester, dms., c.l., works. lb. .43 • —
dms., l.c.l., same basis lb. .48 • .53
tanks, same basis lb. .42 • —
2,4-D isopropyl ester, dms., c.l., works lb. .43 • —
dms., l.c.l., works lb. .48 • .53
tanks, works lb. .42 • —
Dammar gum, Batavia, A E, cs. lb. No stocks.
East India, Batu, bold, bgs. lb. .15½- .18
nubs and chips, bgs. lb. .09 - .10
black, bold, bgs. lb. .15½- .18
nubs and chips, bgs. lb. .12¼- .13½
unscraped, bgs. lb. .13 - .14½
pale, chips, bgs. lb. .15 - .17
pale, nubs, bgs. lb. .20¾- .24
Siam, cs. lb. .31½- .34
Singapore, No. 1, bgs. lb. .34 - .40
No. 2, bgs. lb. .29 - .32
No. 3, bgs. lb. No stocks.
dust, bgs. lb. .18 - .20
Dandelion root, bls lb. .35 • .40
DDD, tech., flake, grd., fib. dms., c.l., works lb. .45 • .47
fib. dms., l.c.l., works lb. .46 • .48
DDT, flake or lump, bgs., c.l., dlvd lb. .23 • —
bgs., smaller lots, same basis. lb. .25 • —
fib. dms., c.l., same basis lb. .24 • —
fib. dms., smaller lots, same basis lb. .26 • —
Powdered DDT 1c. per pound higher.
DDVP (see Dimethyl dichlorovinyl phosphate).
1-Decanol, tech., dms., c.l., dlvd. E. lb. .43½- —
dms., l.c.l., dlvd. E. lb. .45½- —
tanks, dlvd. E. lb. .41 • —
Decyl alcohol, mixed isomers, dms., c.l., dlvd lb. .23½- —
dms., l.c.l., dlvd. lb. .25 • —
tanks, dlvd. lb. .21 • —
Perfume grade, bots. lb. 1.00 • 2.00
Decyl alcohol, normal (see 1-Decanol).
Deertongue leaves, bls. lb. .55 • .60
Defluorinated phosphate, feed grade, 14% P, paper bgs., c.l., t.l., Tupelo, Miss. ton.57.07 • —
18% P, paper bgs., c.l., works. ton.66.25 -71.80
19% P, paper bgs., c.l., t.l., works, Houston, Tex. ton.74.35 • —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices.
Degras, common (15-17% free fatty acid), 400-lb. dms. lb. .12 • —
Neutral (over 2% free fatty acid), 400-lb. dms. lb. .19 • .33

Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E. of Rockies. gal. .69½- —
dms., l.c.l., same basis gal. .74½- .80½
tanks, dlvd., same basis gal. .53½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .72 • —
dms., l.c.l., same basis gal. .77 • .83
tanks, same basis gal. .56 • —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .69 • —
dms., l.c.l., same basis gal. .74 • .80
tanks, same basis gal. .53 • —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .68 • —
dms., l.c.l., same basis gal. .73 • .79
tanks, same basis gal. .52 • —
Denatured alcohol, ethyl, SD23A, dms., c.l., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .71 • —
dms., l.c.l., same basis gal. .76 • .82
tanks, same basis gal. .55 • —
Denatured alcohol, SD29, dms., c.l., dlvd. E. of Rockies gal. .69½- —
dms., l.c.l., same basis gal. .74½- .80½
tanks, same basis gal. .53½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .68 • —
dms., l.c.l., same basis gal. .73 • .79
tanks, same basis gal. .52 • —
Denatured alcohol, ethyl, SD-35A, dms., c.l., dlvd. E. of Rockies gal. .71 • —
dms., l.c.l., same basis gal. .76 • .82
tanks, same basis gal. .55 • —
SD-40, dms., c.l., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
For anhyd. alcohol on above formulas prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c. differential on tankcars is maintained.
d-Desoxyephedrine hydrochloride, dms lb..15.00 -17.00
dl-Desoxyephedrine hydrochloride, dms lb. 6.50 • —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 9.38 • —
paper bgs., l.c.l. 100 lbs. 9.53 • —
canary dark, paper bgs., c.l. 100 lbs. 9.22 • —
paper bgs., l.c.l. 100 lbs. 9.37 • —
indust. grade, 6-16 mesh, canary light, paper bgs., c.l. 100 lbs. 9.12 • —
paper bgs., l.c.l. 100 lbs. 9.27 • —
white, paper bgs., c.l 100 lbs. 8.96 • —
paper bgs., l.c.l. 100 lbs. 9.11 • —
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.
Dextrose, anhyd., coml., bgs., c.l. 100 lbs. 8.65 • —
bgs., l.c.l. 100 lbs. 8.80 • —
Anhyd., special, aluminum foil lined fib. dms., 200-lb. dms 100 lbs.14.70 • —
100-lb. dms. 100 lbs.15.20 • —
Hydrated, coml., bgs., c.l., ex whse 100 lbs. 7.45 • —
bgs., c.l., ex whse 100 lbs. 7.60 • —
USP, dms. lb. 19¾- —
Diacetyl, flavor grade, bots. lb. 4.30 • 4.55
Di-sec-amyl phenol, dms., c.l., works lb. .32 • —
dms., l.c.l., works lb. .33 • —
tanks, works lb. .29½- —
Di-tert-amyl phenol, dms., c.l., works lb. .32 • —
dms., l.c.l., works lb. .33 • —
tanks, works lb. .29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd lb. .15½- —
dms., l.c.l., dlvd. lb. .17 • —
tanks, dlvd. lb. .13 • —
Tech., dms., c.l., dlvd. lb. .15 • —
dms., l.c.l., dlvd. lb. .16½- —
tanks, dlvd. lb. .12½- —
Diallylamine, dms., c.l., dlvd. lb. .98½- —
dms., l.c.l., dlvd. lb. 1.00 • —
tanks, dlvd. lb. .96 • —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 • —
Dibenzyl sebacate, dms., c.l., works. lb. .93 • —
dms., l.c.l., same basis lb. .94 • —
tanks, same basis lb. .91 • —

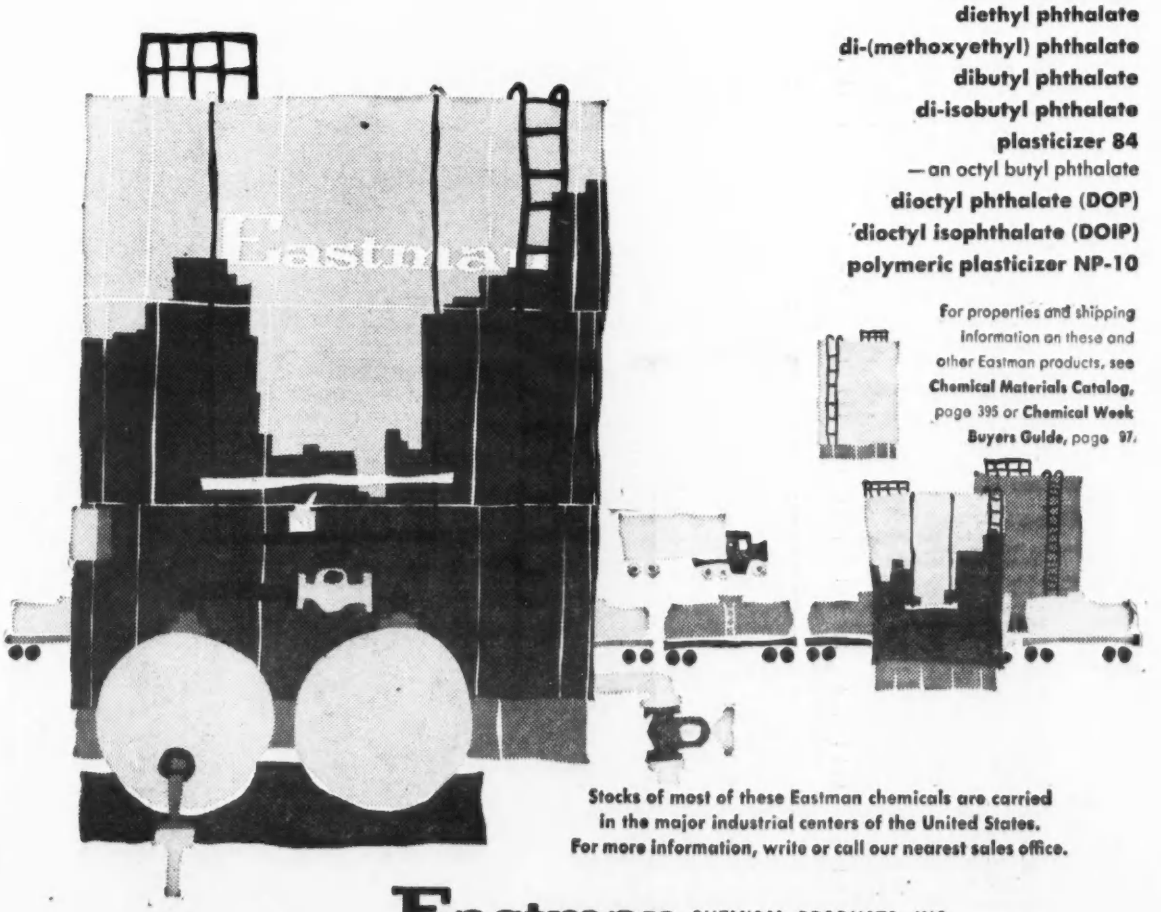
for the Paint, Varnish, and Lacquer industry

• solvents
acetone
ethyl acetate
isopropyl acetate
isobutyl acetate
n-butyl acetate
n-butyl alcohol
isobutyl alcohol
2-ethylhexyl alcohol
Tecsol®
(95% proprietary ethyl alcohol)

• film formers
cellulose acetate
cellulose acetate butyrate

• modifier
sucrose acetate isobutyrate (SAIB)

• plasticizers
dimethyl phthalate
diethyl phthalate
di-(methoxyethyl) phthalate
dibutyl phthalate
di-isobutyl phthalate
plasticizer 84
—an octyl butyl phthalate
dioctyl phthalate (DOP)
dioctyl isophthalate (DOIP)
polymeric plasticizer NP-10



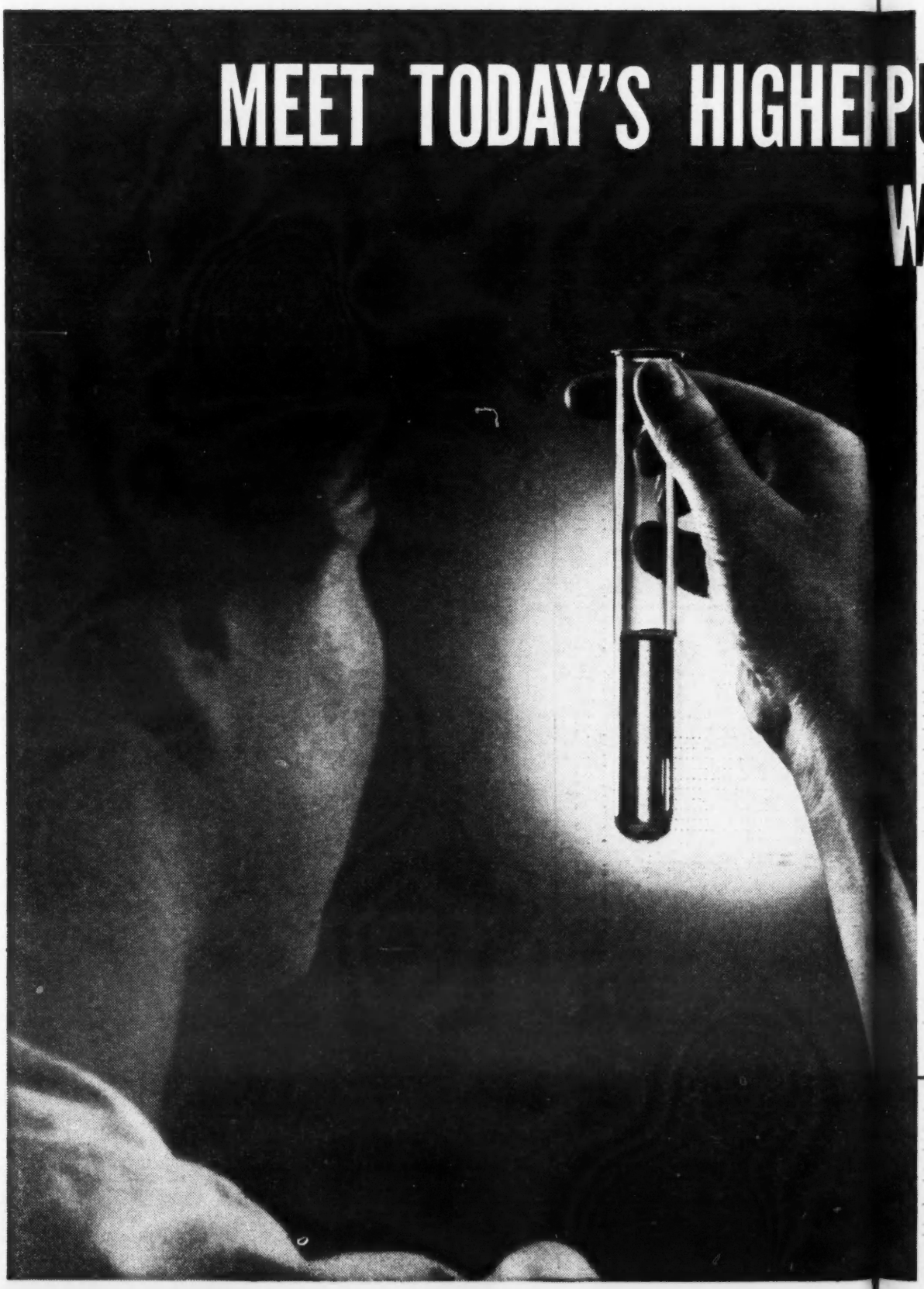
For properties and shipping information on these and other Eastman products, see **Chemical Materials Catalog**, page 395 or **Chemical Week Buyers Guide**, page 97.

Stocks of most of these Eastman chemicals are carried in the major industrial centers of the United States. For more information, write or call our nearest sales office.

Eastman CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE, subsidiary of Eastman Kodak Company

SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tennessee; Atlanta; Chicago; Cincinnati; Cleveland; Detroit; Framingham, Massachusetts; Greensboro, North Carolina; Houston; New York; Philadelphia; St. Louis. **West Coast: Wilson and Geo. Meyer & Company,** San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

Dibromobenzene, bgs., 500-lb. lots. lb. .55 • —
2,6-Di-tert-butyl-p-cresol, feed grade, c.l., t.l., dms., dlvd. lb. .65 • —
t.t.l., dms., same basis lb. .68 • —
Food grade, c.l., t.l., dms., dlvd. lb. .65 • —
dms., t.t.l., same basis lb. .68 • 1.10
Tech., dms., c.l., t.l., dlvd. lb. .57 • —
dms., l.c.l., same basis lb. .60 • —
tanks, same basis lb. .54 • —
Dibutyl fumarate, dms., c.l., t.l., dlvd. E lb. .31½- —
dms., l.c.l., l.t.l., dlvd. E lb. .33 • —
tanks, dlvd E lb. .29 • —
Dibutyl maleate, dms., c.l., t.l., dlvd. E lb. .31½- —
dms., l.c.l., l.t.l., dlvd. E lb. .33 • —
tanks, dlvd. E lb. .29 • —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .28½- —
dms., l.c.l., same basis lb. .30 • —
tankcars, tanktrucks, 2,000 gals., same basis lb. .26 • —
tanktrucks, 1,000-1,999 gals., same basis lb. .26½- —
Dibutyl sebacate, dms., c.l., works. lb. .67½- —
dms., l.c.l., works lb. .68½- —
tanks, works lb. .65½- —
Dibutyl tartrate, dms., works, frt. alld lb. .65½- —
Dibutylamine, dms., c.l., dlvd lb. .55½- —
dms., l.c.l., same basis lb. .57 • —
tanks, same basis lb. .53 • —
Dicapryl phthalate, dms., c.l., dlvd. lb. .27½- —
dms., l.c.l., dlvd. lb. .29 • —
tanks, dlvd. lb. .25 • —
Dicapryl sebacate, dms., c.l., works. lb. .63 • —
dms., l.c.l., works lb. .63½- .64
tanks, works lb. .61 • —
2,5-Dichloroaniline, dms., works lb. .83 • —
3,4-Dichloroaniline, tech., solid, tanks, frt. alld lb. .73 • —
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¾- —
dms., l.c.l., same basis lb. .13¾- —
tanks, same basis lb. .11 • —
p-Dichlorobenzene, dms., c.l., f.o.b. works, frt. alld. E lb. .12 • —
dms., 2,000 lbs. or more same basis lb. .14½- —
1,4-Dichlorobutane, dms., c.l., or t.l., works lb. .33½- —
dms., l.c.l., or t.l., works lb. .34 • —
tanks, works lb. .32 • —
Dichlorodiphenyltrichloroethane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd. E lb. .15½- —
dms., l.c.l., l.t.l., same basis lb. .17 • —
tanks, same basis lb. .13 • —
Dichloroisocyanuric acid, dms., c.l., t.l., frt. equald lb. .65 • —
dms., l.c.l., same basis lb. .75 • —
Dichloropentanes, dist., dms., c.l., works lb. .05 • —
dms., l.c.l., works lb. .06 • —
tanks, works lb. .03 • —
Dichlorophenoxyacetic acid (see 2,4-D).
Dicyclohexylamine, dms., c.l., works. lb. .54 • —
dms., l.c.l., works lb. .55 • —
tanks, works lb. .52 • —
Dicyclohexyl phthalate, gran., fib. dms., c.l., works, frt. alld. lb. .46½- —
fib. dms., l.c.l., same basis lb. .48 • —
Dicyclopentadiene, dms., c.l., f.o.b. works lb. .14½- —
dms., l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 • —
Didecyl phthalate, dms., c.l., works. lb. .28½- —
dms., l.c.l., same basis lb. .30 • —
tankcars, tanktrucks, 2,000 gals. lb. .26 • —
tanktrucks, 1,000-1,999 gals, same basis lb. .26½- —
Dieldrin, dms., c.l., dlvd. lb. 1.85 • —
dms., l.c.l. dlvd. lb. 1.90 • —
Diethanolamine, dms., c.l., dlvd. E. lb. .27 • —
dms., l.c.l., same basis lb. .28½- —
tanks, same basis lb. .24½- —
Diethanolamine lauryl sulfate, dms., c.l., frt. alld lb. .27½- —
dms., t.t.l., frt. alld. lb. .28½- —
tanks, frt. alld. lb. .26½- —
Diethyl barbituric acid (see Barbital).
Diethyl carbonate, dms., c.l., f.o.b. works lb. .47½- —
dms., l.c.l., same basis lb. .48½- —
tanks, same basis lb. .45 • —
Diethyl ethanolamines, dms., c.l., dlvd lb. .69½- —
dms., l.c.l., dlvd. lb. .71 • —
tanks, dlvd. lb. .67 • —
Diethyl oxalate, dms., c.l., f.o.b. works lb. .42½- —
dms., l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 • —
Diethyl phthalate, dms., c.l., dlvd. lb. .27½- —
dms., l.c.l., dlvd. lb. .29 • —
tanktrucks, 1,000-1,999 gals, same basis lb. .26½- —
tankcars, tanktrucks, 2,000-lb. lots, same basis lb. .26 • —
Diethyl sulfate, dms., c.l., works lb. .19½- —
dms, l.c.l., works lb. .20¼- —
tanks, works lb. .17½- —
Diethyl thiourea, dms., c.l., t.l., works lb. .58 • —
dms., l.c.l., same basis lb. .59 • —
Diethyl toluamide, 90-95% meta isomer dms., c.l., t.l., works. lb. 2.30 • —
5-44 dm. lots, works lb. 2.35 • —
1-4 dm. lots, works lb. 2.40 • —
N,N-Diethyl-m-toluidine, tech., liq., tanks, frt. alld lb. .83 • —
Diethylamine, dms., c.l., dlvd. E lb. .52 • —
dms., l.c.l., same basis lb. .53½- —
tanks, same basis lb. .49½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .57 • —
dms., l.c.l., same basis lb. .58 • —
tanks, same basis lb. .55 • —
Diethylbenzene, dms., t.l., frt. alld. lb. .16½- —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .17¾- —
dms., l.c.l., same basis lb. .19¼- —
tanks, same basis lb. .15¼- —
Diethylene glycol diethyl ether, dms., c.l., works lb. .51½- —
dms., l.c.l., works lb. .52¼- —
Diethylene glycol monobutyl ether, c.l., dms., works lb. .30¾- —
dms., l.c.l., works lb. .32¼- —
tanks, dlvd. E lb. .28¼- —
Diethylene glycol monobutyl ether acetate, dms., c.l., works. lb. .30¾- —
dms., l.c.l., works lb. .31½- —
tanks, dlvd. E. lb. .28¾- —
Diethylene glycol monoethyl ether, dms., c.l., dlvd lb. .22½- —
dms., l.c.l., dlvd. lb. .24 • —
tanks, dlvd. E. lb. .20 • —
Diethylene glycol monoethyl ether acetate, dms., c.l., works. lb. .27¼- —
dms., l.c.l., works lb. .28 • —
tanks, works lb. .25¼- —
Diethylene glycol monomethyl ether, dms., c.l., dlvd lb. .21 • —
dms., l.c.l., dlvd. lb. .22½- —
tanks, dlvd. E. lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .44 • —
dms., l.c.l., dlvd. E. lb. .45½- —
tanks, dlvd. E. lb. .41½- —
Diethylstilbesterol, USP, bots., 10-kilo lots kilo. 100.00 -147.50
bots, 1-kilo lot kilo. 110.00 -152.50
Digitalis leaves, USP, dom., dms lb. 1.25 • —
Digitoxin, USP, bots. gram. 4.20 • —
Diglycol laurate, dms. lb. .32¾- .34
Diglycol stearate, dms., ton lots lb. .26 • .28
Diglycolic acid, bgs., c.l., t.l., works. lb. .15½- —
bgs., l.c.l., works lb. .16 • —
Dihexyl sebacate, dms., c.l., works. lb. .66 • —
dms., l.c.l., works lb. .67 • —
tanks, works lb. .64 • —
Dihydrazine sulfate, dms., works lb. 1.10 • 1.25
Dihydrostreptomycin sulfate, bulk. gram. .035 • .036
1,2-Dihydroxy anthraquinone, dms., works lb. 3.45 • —
2,2-Dihydroxy-5-5-dichloro-diphenylmethane, pure, dms lb. 2.55 • —
Tech., dms., 20,000 lbs. or more lb. 1.11 • —
dms., 1,050 lbs. to 20,000 lbs. lb. 1.13 • —
dms., 150 lbs. to 1,050 lbs. lb. 1.15 • —
Di-isobutyl ketone, dms., c.l., dlvd. lb. .17 • —
dms., l.c.l., dlvd. lb. .18½- —
tanks, dlvd. lb. .14½- —
Di-isobutyl phthalate, dms., c.l., dlvd. E. lb. .31½- —
dms., l.c.l., same basis lb. .32½- —
tanks, same basis lb. .29 • —
Di-isobutylene, dms., c.l., dlvd. E lb. .10 • —
dms., l.c.l., dlvd. E lb. .11½- —
tanks, dlvd. E. lb. .08 • —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .27½- —
dms., l.c.l., same basis lb. .29 • —
tanktrucks, 1,000-1,999 gals., dlvd. lb. .25½- —
tankcars, tanktrucks, 2,000 gals., dlvd lb. .25 • —
Di-iso-octyl sebacate, dms., c.l., works lb. .62 • —
dms., l.c.l., works lb. .62½- .63
tanks, works lb. .60 • —
Di-isopropanolamine, dms., c.l., dlvd. lb. .23¼- —
dms., l.c.l., same basis lb. .24¾- —
tanks, same basis lb. .20¾- —
Di-isopropylamine dms., c.l., dlvd. E. of Rockies lb. .50¼- —
dms., l.c.l., same basis lb. .52 • —
tanks, same basis lb. .48 • —
Dillweed oil, dom., bots., dms lb. 3.25 • 3.75
Dimethyl anthranilate, cns. lb. 4.15 • —
Dimethyl dichlorovinyl phosphate, 55-gal. dms., dlvd lb. 3.50 • —
Dimethyl ethanolamines, anhyd., dms., c.l. dlvd lb. 1.225 • —
dms., l.c.l., dlvd. lb. 1.235 • —
tanks, dlvd. lb. 1.20 • —
70% dms., c.l., dlvd., 100% basis, contained amines lb. .68½- —
dms., l.c.l., dlvd., 100% basis. lb. .69½- —
tanks, dlvd., 100% basis lb. .66 • —
Dimethyl hydroquinone, dms. lb. 1.90 • 2.20
Dimethyl phthalate, dms., c.l., works lb. .27½- —
dms., l.c.l., works lb. .29 • —
tanktrucks, 1,000-1,999 gals., same basis lb. .25½- —
tankcars, tanktrucks, 2,000 gals., same basis lb. .25 • —
Dimethyl sebacate, dms., c.l., works. lb. 1.31 • —
dms., l.c.l., works lb. 1.30 • —
tanks, works lb. 1.28 • —
Dimethyl sulfate, ret. dms., c.l., works lb. .17½- —
ret. dms., l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Dimethyl sulfide, dms., c.l., works. lb. .16½- —
dms., l.c.l., works lb. .17 • —
tanks, works lb. .15 • —
Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis lb. .38 • —
dms., l.c.l., frt. equald, 100% basis lb. .38½- —
tanks, frt. equald, 100% basis. lb. .28 • —
40% soln., dms., c.l., frt. equald. 100% basis lb. .35 • —
dms., l.c.l., frt. equald. 100% basis lb. .35½- —
tanks, frt. equald, 100% basis. lb. .28 • —



N,N-Dimethylaniline, dms., c.l., frt. alld. lb. .28 - —
dms., l.c.l., same basis lb. .29 - —
tanks, same basis lb. .26 - —
N,N-Dimethylformamide, dms., c.l., t.l., works lb. .32½- —
dms., l.c.l., works lb. .33 - .34
tanks, works lb. .30 - —
2,4-Dinitroaniline, dms., frt. alld. lb. .75 - —
Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies. lb. 1.56 - —
Dinitroaniline orange toner prices 1c higher W. of Rockies.
m-Dinitrobenzene, 89°C., dms. lb. .26 - —
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E. lb. .17¼- —
dms., l.c.l., frt. alld. E. lb. .17¾- —
tanks, frt. alld. E. lb. .17 - —
2,4-Dinitrophenol, bbls. lb. .41 - —
2,4-Dinitrotoluene, oil, dms. lb. .11 - —
Refd., 63°C., dms. lb. .23 - —
Dioctyl adipate, dms., c.l., works lb. .42½- —
dms., l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
Dioctyl phthalate, dms., c.l., frt. alld. lb. .27½- —
dms., l.c.l., frt. alld. lb. .29 - —
tanktrucks, 1,000-1,999 gals., same basis lb. .25½- —
tankcars, tanktrucks, 2,000 gals., same basis lb. .25 - —
Dioctyl sebacate, dms., c.l., works. lb. .61¼- —
dms., l.c.l., works lb. .62¼- —
dms., l.c.l., works lb. .62¼ —
tanks, works, dlvd. lb. .59¼- —
1,4-Dioxane, dms., c.l., dlvd. E. lb. .31½- —
dms., l.c.l., dlvd. E. lb. .33 - —
tanks, dlvd. E. lb. .29 - —
Prices in the west are 2c. per lb. higher.

Dipentaerythritol, bgs., c.l., t.l., dlvd. E. lb. .40 - —
bgs., l.c.l., l.t.l., dlvd. E. lb. .41 - —
Dipentene, dest.-dist., dms., c.l., works gal. .58 - —
dms., l.c.l., works lb. .62 - —
dms., l.c.l., ex whse. gal. .78 - —
tankcars, works gal. .41 - —
Steam dist., dms., c.l., works, South gal. .72 - —
dms., l.c.l., dlvd. New York gal. .91 - —
tanks, works, South lb. .55 - —
Dip oil (see Tar acid oil).
Diphenolic acid, 1,000-lb. or more, bgs., works lb. .73 - —
Diphenolic polyether acids, 1,000-lb. or more, bgs., works lb. 1.00 - —
Diphenyl, bgs., c.l., t.l., works lb. .16¾- —
bgs., l.c.l., works lb. .18½- —
tanks, works lb. .15¾- —
Diphenyl oxide, perfume grade, cns. lb. .55 - .70
Diphenyl phthalate, dms., c.l., works. lb. .51¾- —
dms., l.c.l., works lb. .53¾- —
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald. lb. .31 - —
bgs., l.c.l., same basis lb. .33 - —
Refd., fused, tanks, same basis lb. .28 - —
Refd., diphenylamine in dms., ½c. per lb. higher.
Diphenylguanadine, bgs., dms., ton lots, frt. alld. lb. .49 - —
bgs., smaller lots, frt. alld. lb. .50 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.00 - 5.60
Dipropylene glycol, dms., c.l., frt. alld. lb. .17 - —
dms., l.c.l., frt. alld. lb. .18½- —
tanks, frt. alld. lb. .14¼- —
Dipropylene glycol methyl ether, dms., c.l., dlvd. E. lb. .20 - —
dms., l.c.l., same basis lb. .21½- —
tanks, same basis lb. .18½- —

Dithiodibenzoic acid, dms., 1,000-lb. lots, works lb. 1.45 - —
Di-o-tolylguanidine, dms., ton lots, frt. alld. lb. .69 - —
dms., smaller lots, frt. alld. lb. .70 - —
Di-o-tolylthiourea, tech., solid, dms., c.l., t.l., frt. alld. lb. .55 - —
Divinylbenzene, 20-25%, dms., c.l., works, frt. equald. lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19 - —
50-60%, dms., c.l., works, 100% basis lb. 1.00 - —
dms., l.c.l., works, 100% basis. lb. 1.05 - —
tanks, same basis lb. .90 - —
Dodecenyl succinic anhydride, dms., c.l., t.l., dlvd. E. lb. .75 - —
dms. l.c.l., l.t.l., same basis lb. .76 - —
Dodecylbenzene, dms., c.l., f.o.b., works, frt equald. lb. .134 - —
dms., l.c.l., same basis lb. .144 - —
tanks, same basis lb. .11 - —
Dodecylphenol, c.l., frt. alld. lb. .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .19½- —
Dodecylphenol prices on shipments to Western States are 2c. per pound higher.
Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd.:
Blue, FD&C, No. 1 lb.15.65 -17.60
No. 2 lb.15.65 -17.60
Green, FD&C, No. 1 lb.15.65 -17.60
No. 2 lb.19.60 -22.85
No. 3 lb.31.30 -35.90

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1 lb. lots., dlvd.:
Red, FD&C, No. 1 lb. 5.90 - 7.85
No. 2 lb. 3.30 - 4.10
No. 3 lb.19.60 -22.85
No. 4 lb. 5.55 - 7.50
Violet, FD&C, No. 1 lb.15.65 -17.60
Yellow, FD&C, No. 1 lb. 9.15 -11.05
No. 5 lb. 3.30 - 4.10
No. 6 lb. 3.30 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 200-lb. and 1-lb. lots, dlvd.:—
Black, D&C, No. 1 lb.10.50 -10.95
Brown, D&C, No. 1 lb.15.65 -16.10
Green, D&C, No. 5 lb.15.65 -16.10
No. 6 lb.15.65 -16.10
No. 7 lb.14.35 -14.80
Orange, D&C, No. 3 lb.10.50 -10.95
No. 4 lb.19.60 -20.05
No. 5 lb. 3.80 - 4.25
Red, D&C, No. 17 lb.10.50 -10.95
No. 18 lb.23.60 -24.00
No. 19 lb.15.00 -15.45
No. 21 lb. 3.90 - 4.35
No. 22 lb.10.50 -10.95
No. 28 lb.24.15 -24.65
No. 33 lb.17.00 -17.45
Violet, D&C, No. 2 lb.15.65 -16.10
Yellow, D&C, No. 7 lb.10.50 -10.95
No. 8 lb.10.50 -10.95
No. 10 lb.13.05 -13.50
No. 11 lb.13.05 -13.50
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 500-lb. and 1-lb. lots, dlvd.:—
Blue, Ext., D&C, No. 1 lb.15.65 -16.10
Green, Ext., D&C, No. 1 lb.15.65 -16.10
Red, Ext., D&C, No. 1 lb.13.05 -13.50
Yellow, Ext., D&C, No. 1 lb.10.50 -10.95
Dyes, coaltar for general use in cloth dyeing (numbers are those of the Color Index scale or prototype), contract dlvd. No.
11110 Brilliant scarlet BN lb. 1.79 - —
13390 Fast blue SR lb. 1.43 - —
14025 Yellow 2G lb. 1.26 —
Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale of prototype), contract, dlvd. No.
14030 Orange R, extra, conc. lb. 1.64 - —
14645 Chrome black T lb. .77 - —
14720 Rubine XX, conc. lb. 1.59 - —
15510 Orange Y, extra conc. lb. .83 - —
15575 Orange RR lb. .99 - —
15620 Fast Red A, conc lb. 1.61 - —
15705 Chrome blue black R, conc. lb. 1.12 - —
16150 Scarlet 2RL lb. 1.22 - —
16255 Brilliant scarlet 3RN, conc. lb. 1.26 - —
16230 Fast light, orange 2G lb. 1.39 - —
17590 Brown PG lb. 3.00 - —
18050 Phloxine 2G lb. 1.05 - —
18055 Fuchsine 6B lb. 1.55 - —
18965 Fast yellow 2G lb. 2.32 - —
19140 Yellow XX lb. 2.48 - —
19555 Yellow NN, conc. lb. 3.67 - —
20170 Brown Y lb. 1.33 - —
20470 Blue black, extra, conc. lb. 1.44 - —
21010 Brown, RX, conc. lb. 1.35 - —
22240 Scarlet B lb. 2.81 - —
22310 Red FC lb. 1.57 - —
22311 Brown MCW lb. 1.47 - —
22590 Diazo black BHD lb. .93 - —
22610 Blue 2B, extra conc. lb. 1.53 - —
23500 Red, 4BX, conc. lb. 1.80 - —
24410 Sky blue FF, extra, conc. lb. 1.95 - —
24895 Brilliant yellow, conc. lb. 3.27 - —
26360 Navy blue 3R, conc. lb. 1.84 - —
26695 Black F, conc. lb. 2.30 - —
26900 Milling Red 3R, conc lb. 1.91 - —
27075 Neutral black 2B, conc lb. 2.75 - —
27720 Gray L lb. 2.18 - —
29185 Fast scarlet 4BNC lb. 2.23 - —
30015 Diazo black VJ conc. lb. 2.48 - —
30045 Yellow brown K, extra lb. 1.26 - —
30235 Black EB, 200% lb. 1.33 - —
30295 Green BY, conc. lb. 1.07 - —
35660 Brown B lb. 2.89 - —
37565 Naphthol SWF lb. 1.85 - —
40000 Yellow 2G lb. 1.44 - —
41000 Yellow OX lb. 2.45 - —
42000 Green V, crystals lb. 2.73 - —
42040 Brilliant green G crystals lb. 3.62 - —
42090 Blue EG lb. 1.85 - —
42100 Milling green 6B, conc. lb. 4.78 - —
42640 Violet 4BXN lb. 2.43 - —
43830 Brilliant blue, BBG lb. 2.44 - —
44045 Blue B, extra conc. lb. 3.61 - —
45170 Red BX lb. 4.76 - —
50415 Nigrosine SSJ lb. 1.03 - —
52015 Blue GXX lb. 2.33 - —
53185 Black, GXCF, conc. lb. .78 - —
58005 Alizarin red SC lb. 3.64 - —
59700 Golden orange GFD, single paste lb. 2.70 - —
59710 Flaming orange 6RD double powder lb. 4.90 - —
59800 Dark blue BO, single paste. lb. 2.28 - —
59825 Jade green NC supra, double paste lb. 1.50 - —
61570 Alizarin green CG extra lb. 3.81 - —
63010 Alizarin blue SAPG lb. 3.90 - —
63615 Alizarin blue black B lb. 3.26 - —
69825 Blue BLFD double paste lb. 2.82 - —
70800 Brown BR single paste lb. 2.03 - —
Dyes, coaltar, oil-soluble, 100-lb. drums, dlvd. No.
12140 Oil scarlet BL lb. 1.87 - —
12055 Oil orange 7078 V lb. 1.38 - —
26120 Oil red N 1700 lb. 1.94 - —
42535B Methyl violet base lb. 1.88 - —
44045B Victoria blue base lb. 4.06 - —
50415B Oil black 8603 lb. .80 - —
61565 Alizarin cyanine green base. lb. 6.13 - —
Spirit black RB lb. 3.89 - —
Spirit brown GN lb. 5.30 - —
Spirit orange R conc. lb. 5.87 - —
Spirit red B conc lb. 6.41 - —
Pr. 517 Spirit yellow 2R conc lb. 4.62 - —
Pr. 554 Spirit blue THN lb. 5.06 - —

E

Echinacea root, bls. lb. 1.25 - —
Elm bark, grinding, bls. lb. .30 - .32
Powd., bbls., bxs. lb. .50 - .55
Select, bundles lb. .75 - —
Emetine hydrochloride, USP, bots. oz.48.40 - —
Endrin, tech., dms., 100-lbs. or more, 100% basis, dlvd lb. 2.70 - —
Eosin red toner, bbls., works lb. 1.95 - —
Ephedrine, syn., USP, anhyd., bots. 100-oz lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots. oz. .92 - —
Ephedrine hydrochloride, NF, dms., 100-oz. f.o.b. works oz. .72 - —
Ephedrine sulfate, USP, cryst., dms., 100-oz. f.o.b. works oz. .73 - —
USP, powd., dms., 100-oz., same basis oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd lb. .29½- —
dms., l.c.l., dlvd. lb. .31 - —
tanks, dlvd. lb. .27 - —
Epsom salt (see Magnesium sulfate).

IEPURITY STANDARDS WITH DICALITE FILTERAIDS

DICALITE OFFERS NEW CUSTOMIZED FILTERAID SERVICE

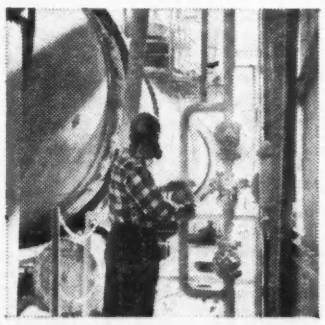
Today, standards of purity are tightening in every field—and tomorrow's will be higher still. But you can confidently meet both with the high-efficiency filteraids which Dicalite is producing right now.

Today, with new processing advances made through continuing research, Dicalite can custom-engineer a filteraid made to precisely match your individual purity problem.

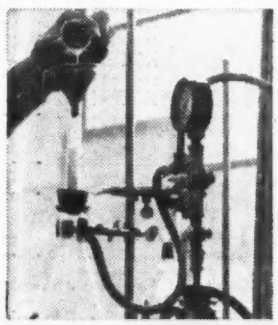
If your filtration must be so sharp that it removes particles too small to be seen with the optical microscope, a Dicalite Filteraid can do it. Or, if fast flow rates and increased production are your need, Dicalite can help you achieve that.

Your Dicalite man will be glad to advise with you on any filtration problem and help you determine if a customized filteraid will advance your processing.

Careful strata selection provides the best crude for each filteraid's final requirements.



New processing refinements, including special calcining methods, control filteraid characteristics with an accuracy never before possible in any plant.



With more than 22,000 quality control tests every month, the Dicalite plant laboratories hold every filteraid grade to rigid specifications.

New automatically-controlled packing and pressure-palletizing is the final step in efficient modern operation.

Dicalite®
Dicalite Department
Great Lakes Carbon Corporation
612 So. Flower Street, Los Angeles 17, Calif.

OPD-3
The product I am filtering is _____
Have Dicalite man phone for appointment ☐ Send Information ☐
NAME _____
TITLE _____
COMPANY _____
ADDRESS _____
CITY _____ ZONE _____ STATE _____

l-Epinephrine base, syn., USP, bots., 100 gram lots gram .58 - —
Erigeron oil, cns. lb.11.00 - —
Ergot, NF, dms., tin-lined lb 1.00 - 1.25
Eserine salicylate, bots. oz.44.00 - —
Eserine sulfate, bots. oz.86.00 - —
Ester gum, gum-rosin type, dms., c.l., dlvd., Ill., Md., Ky., E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W Va lb. .18½ - —
Wood-rosin type, dms., c.l., same basis lb. .18½ - —
Ether (see specific product).
Ethyl acetate, nat., ferment. 85-88%, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd. lb. .16½ - —
tanks, dlvd. lb. .12½ - —
95-98%, dms., c.l., dlvd. lb. .15¼ - —
dms., l.c.l., dlvd. lb. .16¾ - —
tanks, dlvd. lb. .12¾ - —
Ethyl acetate, nat., ferment. 99%, dms., c.l., dlvd lb. .15½ - —
dms., l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .13 - —
syn., 85-88%, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd. lb. .16½ - —
tanks, dlvd. lb. .12½ - —
Ethyl acetate, syn., 95-98%, dms., c.l., dlvd lb. .15¼ - —
dms., l.c.l., dlvd lb. .16¾ - —
tanks, dlvd lb. .12¾ - —
99%, dms., c.l., dlvd. lb. .15½ - —
dms., l.c.l., dlvd. lb. .17 - —
tanks dlvd. lb. .13 - —
Ethyl acetoacetate, dms., c.l., dlvd. lb. 58½ - —
dms., l.c.l., dlvd. lb. .60 - —
tanks, dlvd lb. .56 - —
Ethyl acrylate, dms., c.l., t.l., dlvd. lb. .36 - —
dms., l.t.l., dlvd. lb. .37 - —
tanks, dlvd lb. .34 - —
Ethyl alcohol, 190 pf., USP, tax paid dms, c.l., dlvd. E. of Rockies gal.20.63 - —
dms., l.c.l., same basis gal.20.68 -20 74
Ethyl alcohol, 190 pf., USP, tax-free, dms., c.l., dlvd. E. of Rockies gal. .68 - —
dms., l.c.l., same basis gal. .73 - .79
tanks, same basis gal. .52 - —
Ethyl alcohol, absolute, 200 pf., tax paid, dms., dlvd. E. of Rockies gal.21 75 - —
dms., l.c.l., same basis gal.21.80 -21 86
tanks, same basis gal.21 59 - —
Ethyl alcohol, denatured (see Denatured alcohol, ethyl).
Ethyl aminobenzoate, USP (see Benzocaine).
Ethyl amyl ketone, dms., c.l., dlvd. lb. .20 - —
dms. l.c.l. same basis lb. .21½ - —
tanks, same basis lb. .17½ - —
Ethyl benzoate bots. lb. .75 - 1.00
Ethyl bromide, tech., 98%, dms., c.l., frt. alld. E lb. .43 - —
dms., l.c.l., frt. alld. E lb. .45 - —
tanks, frt. alld. E lb. .41 - —
Ethyl butyl ketone, dms., c.l., t.l., works lb. .36 - —
dms. l.c.l., t.l. works lb. .36¾ - —
tanks, works lb. .34 - —
Ethyl butyrate, dms., works lb. .85 - 1.00
Ethyl carbamate (see Urethane).
Ethyl cellulose, vis. 7 cps., bgs., 5,000-lb lots or more, frt. alld. E lb. .73 - —
bgs., smaller lots, frt. alld E lb. .75 - —
Vis 10, 20, 50 100, 150 cps., bgs., 5,000-lb lots or more, frt. alld. E lb. .68 - —
bgs., smaller lots, frt. alld E. lb. .70 - —
Ethyl chloride, tech., cyls., works. lb. .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 - —
Ethyl cinnamate, cns. lb. 3.35 - 3.50
Ethyl ethanolamies, mixed, dms., c.l., dlvd. E lb. .43½ - —
dms., l.c.l., dlvd. E lb. .44½ - —
tanks, dlvd. E lb. .41½ - —
Ethyl ether, absolute, ACS, dms lb. .27 - —
Anesthesia, USP, dealers, l-lb. cns lb. 1.01 - —
½-lb. cns lb 1.09 - —
¼-lb. cns. lb. 1.21 - —
Indust., dms., c.l., dlvd. lb. .13½ - —
dms., l.c.l., dlvd. E. lb. .15 - —
tanks, dlvd E. lb. .11 - —
2-Ethyl hexoic acid, dms., c.l., t.l., dlvd. E lb. .37 - —
dms., l.c.l., t.l., dlvd. E lb. .38½ - —
tanks, dlvd. E. lb. .34½ - —
2 Ethyl hexoic acid, 1c. higher W. of Rockies.
2-Ethyl hexyl acrylate, dms., c.l. t.l., straight or mixed frt. alld. E lb. .42½ - —
dms., l.t.l., same basis lb. .43½ - —
tanks, same basis lb. .40 - —
Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
2-Ethylhexyl alcohol, dms., c.l., dlvd. lb. .23¾ - —
dms., l.c.l, dlvd lb. .25¼ - —
tanks, dlvd. lb. .21¼ - —
Ethyl iodide, cbys., works lb. 3.30 - —
Ethyl methacrylate, dms., c.l., frt. equald lb. .52 - —
dms., l.t.l., frt. equald lb. .52½ - —
tanks, frt. equald lb. .50 - —
Ethyl morphine hydrochloride, USP, bots oz.11.85 - —
Ethyl oenanthate, dms lb. 1.05 - 1.30
Ethyl oxalate (see Diethyl oxalate).
Ethyl silicate, dist. (see Tetraethyl orthosilicate).
Ethyl silicate, 40% available SiO_2, dms., c.l., dlvd lb. .44½ - —
dms., l.c.l., dlvd lb. .46 - —
tanks, dlvd lb. .42 - —
N-Ethyl-a-naphthylamine, dms., works lb. 1.02 - —
N-Ethyl-m-toluidine, tech., liq., tanks, frt. alld lb. .83 - —
N-Ethyl-o-toluidide, bbls. lb. .88 - —
Ethylamine (see Mono-, Di-, or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .57 - —
dms., l.c.l., frt. alld lb. .58 - —
tanks, frt. alld lb. .55 - —
Ethylbenzene, 99%, dms., c.l., t.l., frt. equald lb. .15 - —
dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .12½ - —
2-Ethylbutyl alcohol, dms., c.l., works lb. .30 - —
dms., l.c.l., works lb. .30¾ - —
tanks, works lb. .28 - —
Ethylene, contract, refy. gate lb. .0475- .0525
Ethylene dibromide, dms., c.l., frt, equald lb. .30½ - —
dms., l.c.l., frt. equald lb. .31½ - —
tanks, frt. equald lb. .28½ - —
Ethylene dichloride, dms., c.l., dlvd. lb. .11½ - —
dms., l.c.l., same basis lb. .13 - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Ethylene glycol, indust., dms., c.l., dlvd. E lb. .16 - —
dms., l.c.l., same basis lb. .17½ - —
tanks, same basis lb. .13½ - —
Ethylene glycol monobutyl ether, dms., c.l., dlvd. E lb. .22 - —
dms., l.c.l., dlvd. E lb. .23½ - —
tanks, dlvd. E lb. .19½ - —
Ethylene glycol monoethyl ether, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd. E lb. .22½ - —
tanks, dlvd. E lb. .18½ - —
Ethylene glycol monoethyl ether acetate, dms., c.l., dlvd. E lb. .19½ - —
dms., l.c.l., dlvd. E lb. .20½ - —
tanks, dlvd. E lb. .17 - —
Ethylene glycol monomethyl ether, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd. E lb. .22½ - —
tanks, dlvd. E lb. .18½ - —
Ethylene glycol monomethyl ether acetate, dms., c.l., dlvd. E lb. .29 - —
dms., l.c.l., dlvd. E lb. .29¾ - —
tanks, dlvd. E lb. .27 - —
Ethylene glycol monostearate, triple pressed, dms lb. .33 - .35
Ethylene oxide, dms., c.l., dlvd. E. lb. .21½ - —
dms., l.c.l., dlvd. E lb. .24½ - —
tanks, dlvd. E lb. .15½ - —
Ethylene trichloride (see Trichloroethylene).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .42 - —
dms., l.c.l., dlvd. E., 100% basis. lb. .43 - —
tanks, dlvd. E., 100% basis lb. .40 - —
lots and over lb. 6.75 - —
200-lb. lots and over lb. 7.00 - —
100-lb. lots and smaller lb. 7.30 - 7.40
Ethylvanillin, 100-lb. fib. dms., 500-lb. lots lb. .85 - 1.40
Eucalyptol, USP, cns., dms lb. .85 - 1.40
Eucalyptus oil, NF, rectified, 70-75%, dms lb. .44 - .55
NF, rectified, 80-85%, dms. lb. .53 - .62
Eugenol, tech., dms lb. 1.45 - —
USP, dms. lb. 2.00 - —
Euphorbia herb, bls lb. .12 - .15

F

F salt paste, tech. dms., works lb. 2.30 - —
Feldspar, 140-200 mesh, bulk, c.l., works ton.19.50 - —
Feldspar in bags $3 per ton higher.
Fennel oil, sweet, USP, cns lb. 2.25 - 2.70
Fennel seed, Argentine, bgs lb. .14 - —
French, light, bgs lb. .20 - —
Indian, light, bgs lb. .17 - —
Rumanian, bgs. lb. .14 - —
Yugoslav, light, bgs lb. .16½ - —
Fenugreek seed, Moroccan, bgs lb. .07½ - —
Ferric chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.50 - —
dms., l.c.l., works 100 lbs. 8.50 - —
Indust., cryst., bbls., c.l., works. 100 lbs. 5.25 - 6.75
bbls., l.c.l., works 100 lbs. 5.75 - 7.25
42° Be., photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald. 100% basis 100 lbs. 4.00 - —
USP, cryst., dms., t.l., works lb. .08½ - —
Ferric citrate gran., dms lb. .56 - —
Ferric hypophosphite, NF, dms lb. 3.45 - —
Ferric naphthenate, liq., 6% Fe, dms., frt. alld lb. .28¼ - —
Ferric oxalate, tech., gran., 50-lb. dm., f.o.b. works E lb. .89 - —
Ferric oxides (see iron oxides).
Ferric phosphate, NF, soluble, gran. pearls, cs lb. .72 - .75
Ferric pyrophosphate, NF VII, soluble, gran., pearls, dms.lb. .70 - —
Ferric resinate, 6¾% Fe., dms., ton lots, frt. ald lb. .40¼ - —
Ferric stearate, dms., c.l., frt. alld. lb. .39 - —
dms., l.c.l., frt. alld lb. .40 - .44
Ferric sulfate, partly hydrated, bgs., c.l., works ton.35.25 - —
bgs., l.c.l., works ton.36.25 -42.25
bulk, c.l., works ton.33.25 - —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .65 - .68
Green pearls, USP XII, gran., dms lb. .66 - .69
Ferric-ammonium oxalate, fine gran., dms lb. .27½ - .29½
Ferric-potassium oxalate, fine gran., dms lb. .32½ - .34½
Ferric-sodium oxalate, fine gran., dms lb. .27½ - .29½
Ferrous gluconate, USP, 200-lb. dm., frt. equald lb. .96 - —
Ferrous sulfate, gran., bgs., c.l., works ton.34.50 - —
bgs., l.c.l., dlvd. Metropolitan area 100 lbs. 3.35 - 4.25
bbls., c.l., works ton.40.00 - —
bulk, c.l., works ton.27.00 - —
USP, cryst., bbls., dms lb. .09½ - .10
Fir balsam, Canada, bbls gal.32.00 -35.00
Oregon, bbls. gal. 3.40 - 4.64
Fir oil, Canada, cns lb. 1.75 - 2.50
Fish oil, refd., alkali, dms lb. .1250- .1300
Kettle-bodied, dms, lb. .1480- .1530
Light-pressed, dms. lb. .1100- .1150
tanks lb. .09½ - —
Fishliver oil, nat., high potency, 100,000 to 1,500,000 A units per gram, dms. 1,000,000 units. .12 - —
Fishmeal, dom., menhaden, 60% protein, grd., bgs., Atlantic and Gulf coasts ton.100.00 - —
Fishscrap, dom., menhaden, dried, 60% protein, grd., bgs., Atlantic and Gulf coasts. ton.96.00 - —
Fleaseed (see Psyllium seed).
Folic acid, USP, bots., fib. dms., kilo lots or more gram .30 - .44
10% feed grade, fib. dms., 3 kilos or more kilo.30.00 -44.00
Formaldehyde, 37% (inhibited, 12 to 15% methanol), USP, dms., c.l., dlvd lb. .0695- —
tanks, dlvd. lb. .0430- —
Formaldehyde, methanol-free (uninhibited), tanks, dlvd lb. .0375- —
Formic acid, 85%, cbys., c.l., works. lb. .1570- —
cbys., l.c.l., works lb. .1620- .1720
90%, cbys., c.l., works lb. .1625- —
cbys., l.c.l., works lb. .1675- .1775
Fringetree bark, bls lb. .65 - .70
Fumaric acid, tech., 250-lb. dms., c.l., frt. equald lb. .22¾ - —
dms., l.c.l., frt. equald lb. 24¼ - —
Fumaric acid in bags ½c. per lb. less.
Furfural, dms., c.l., works lb. .13 - —
dms., l.c.l., works lb. .14 - —
tanks, dlvd. E lb. .12 - —
tanks, dlvd W lb. .13 - —
Furfuryl alcohol, cns., works lb. .28 - —
dms., c.l., t.l., Newark, N. J lb. .20½ - —
dms., l.c.l., t.l., Newark, N. J lb. .21½ - —
dms., c.l., t.l., Memphis, Tenn lb. .19 - —
dms., l.c.l., t.l., Memphis, Tenn. lb. .20 - —
tanks, Memphis, Tenn. lb. .175 - —
Fusel oil, refd., dms., c.l., dlvd lb. .18 - —
dms., l.c.l., dlvd. lb. .19½ - —
tanks, dlvd. lb. .15½ - —

G

G salt, bbls., frt. alld., 100% basis lb. .73 - —
Gallic acid, NF, VII, bbls., 1,000-lb. lots lb. 2.00 - —
bbls., smaller lots lb. 2.02 - 2.22
Tech., bbls., 1,000-lb. lots lb. 1.78 - —
bbls., smaller lots lb. 1.80 - 2.00
Gamma acid, dry grd., bbls., frt. alld. lb. 1.75 - —
Gammapicoline (see g-picoline).
Garlic oil, dom., bots. oz. 4.75 - 6.05
Imp., bots. oz. 4.50 - 5.00
Gaultheria oil (see Wintergreen oil).
Gelatin, edible, 75 AOAC test, bbls., c.l., dlvd lb. .55 - —
150 AOAC test, bbls., c.l., dlvd. lb. .64 - —
200 AOAC test, bbls., c.l., dlvd. lb. .70 - —
225 AOAC test, bbls., c.l., dlvd. lb. .74 - —
275 AOAC test, bbls., c.l., dlvd. lb. .82 - —
Gelsemium root, bls. lb. .30 - .35
Gentian root, bls. lb. .24 - —
Grd., bbls., bxs. lb. .30 - —
Powd., bbls., bxs. lb. .30 - —
Geraniol, extra, cns., dms. lb. 1.75 - 2.40
Soap grade, dms. lb. .90 - 1.75
Standard, cns., dms., lb. .90 - 1.75
Synthetic, dms. lb. 1.30 - —
Geranium oil, Algerian, cns lb.20.00 - —
Bourbon, cns. lb.22.00 -26.00
Geranium oil, Turkish (see Palmarosa oil).
Geranyl acetate, cns. lb. 1.90 - 2.70
Synthetic, dms. lb. 1.45 - —
Ginger oil, dist., bots. lb.11.50 -14.00
Ginger oleoresin, NF, from African root, bots lb. 4.25 - 5.00
NF, from Jamaican root, bots. lb. 7.75 - —
Ginger root, Cochin, bgs lb. .22 - —
Jamaican, No. 3, bgs lb. .28 - —
Nigerian, split, bgs lb. .14½ - —
Sierra Leone, bgs lb. .22 - —
Glauber's salt (see Sodium sulfate).
Gluconic acid, tech., 50%, dms., c.l., t.l., frt. alld lb. .18 - —
dms., l.c.l., frt. alld. lb. .20½ - —
tanks, frt. alld. lb. .13½ - —
Glue, bone, extracted, dry bone, 88 jellygrams, bgs., c.l., dlvd. lb. .16 - —
131 jellygrams, bgs., c.l., same basis lb. .16½ - —
164 jellygrams, bgs., c.l., same basis lb. .18½ - —
191 jellygrams, bgs., c.l., same basis lb. .19½ - —
222 jellygrams, bgs., c.l., same basis lb. .21 - —
Glue, bone, green, 40 jellygrams, bgs., c.l., same basis lb. .16 - —
86 jellygrams, bgs., c.l., same basis lb. .16 - —
115 jellygrams, bgs., c.l., same basis lb. .16½ - —
Glue, bone, green, 135 jellygrams, bgs., c.l., same basis lb. .17½ - —
164 jellygrams, bgs., c.l., same basis lb. .18½ - —
180 jellygrams, bgs., c.l., same basis lb. .19½ - —
200 jellygrams, bgs., c.l., same basis lb. .20½ - —
Bone glue, l.c.l., prices 2c. higher.
Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .18 - —
95-149, bgs., c.l., dlvd lb. .19 - —
122-149, bgs., c.l., dlvd lb. .20½ - —
150-177, bgs., c.l., dlvd lb. .22½ - —
178-206, bgs., c.l., dlvd lb. .25 - —
Glue, hide, 207-236, bgs., c.l., dlvd lb. .28 - —
237-266, bgs., c.l., dlvd lb. .30½ - —
267-298, bgs., c.l., dlvd lb. .32½ - —
299-330, bgs., c.l., dlvd lb. .34½ - —
331-362, bgs., c.l., dlvd lb. .36½ - —
363-394, bgs., c.l., dlvd lb. .38 - —
395-427, bgs., c.l., dlvd lb. .40 - —
428-460, bgs., c.l., dlvd lb. .42 - —
461-494, bgs., c.l., dlvd lb. .44 - —
495-529, bgs., c.l., dlvd lb. .46 - —
Hide glue, l.c.l., prices 2c. higher.
l-Glutamic acid, 99½%, fib. dms., 100-lb. lots, frt. alld lb. 1.80 - —
fib. dms., 25-lb. lots, frt. alld. lb. 1.88 - —
l-Glutamine, bots., 1-9 kilo lots, kilo.150.00 -300.00
Bots., 50-kilo lots kilo.100.00 - —
Bots., 500-kilo lots kilo. 75.00 - —
Glycerine, dom., nat., crude, saponification, 88%, tanks dlvd lb. .21¼ - .21¾
nat., crude, soaplye, 80%, tanks, dlvd lb. .19 - .19¾
nat., refd., USP, CP, 99%, dms., c.l., dlvd lb. .30⅞ - —
dms., l.c.l., dlvd. lb. .31⅝ - —
tanks, dlvd. lb. .29⅛ - —
Glycerine, dom., nat., refd., USP, CP, 96%, dms., c.l., dlvd lb. .30 - —
dms., l.c.l., dlvd. lb. .30¾ - —
tanks, dlvd. lb. .28¼ - —
nat., high gravity, dms., c.l., dlvd lb. .30¾ - —
dms., l.c.l., dlvd. lb. .31½ - —
tanks, dlvd. lb. .29 - —
Glycerine, dom., syn., dms., c.l., dlvd. lb. .31 - —
dms., l.c.l., dlvd. lb. .31¾ - —
tanks, dlvd. lb. .29¼ - —
Imp., nat., crude, soaplye, 80%, c.i.f. lb. .19 Nom.
Glycine (see Aminoacetic acid).
Glycerol (see Glycerine).
Glycolic acid (see Hydroxyacetic acid).
Glycolonitrile, 70%, aqueous, dms., c.l., t.l., works lb. .40 - —
dms., l.c.l., same basis lb. .42 - —
tanks, same basis lb. .39 - —
Glyoxal, 30%, dms., c.l., works lb. .20½ - —
dms., l.c.l., works lb. .21¼ - —
tanks, works lb. .18 - —
Golden seal root, NF, tested, bls. lb. 2.75 - 3.25
Gramicidin, 1 to 5 kilos, f.o.b. works, gram 4.70 - —
Grapefruit oil, dms. lb. 3.25 - —
Graphite, amorp., powd., bgs., fib. dms., ex whse lb. .06 - .09½
Cryst., 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
Flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice all hog, tanks, dlvd lb. .06½ - .06⅝
Yellow, tanks, dlvd. lb. .05 - —
Grease oil, No. 1, dms., c.l. lb. .13¾ Nom.
dms., l.c.l. lb. .14¾ Nom.
Extra winter, strained, dms., c.l. lb. .16¼ Nom.
dms., l.c.l. lb. .17¼ Nom.
Prime, burning, dms., c.l. lb. .17¾ Nom.
dms., l.c.l. lb. .18¾ Nom.

GREEN PIGMENTS
Green pigment quotations are listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

Grindelia robusta herb, bls. lb. .40 - —
Guaiacol, NF, cryst., dms., tins lb. 2.10 - 2.15
NF liq., cbys., dms. lb. 2.30 - 2.40
Guaiacol carbonate, NF VII, dms lb 3.40 - 3.45
Guaiacwood oil, cns. lb. .65 - .80
Guar gum, food grade, bgs., c.l lb. .38 - —
bgs., 5,000 lbs or more lb. .39 - —
Indust., bgs., c.l. lb. .32 - —
Tech grade, bgs. lb. .30 - .33

GUMS
Gum quotations are listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

H

H acid, dry, bbls., c.l., frt. alld., 100% basis lb. .90 - —
bbls., l.c.l., same basis lb. .95 - —
Hansa yellow, 10 G, bbls., dlvd. E. of Rockies lb. 2.45 - —
Hansa G yellow, pigment, bbls lb. 2.20 - —
Hawthorn berries, bgs. lb. .18 - .20
Heliotropin, 100-lb. lots, dms. lb. 2.60 - 3.40
Hellebore root, dom., green, bls lb. .70 - .75
Helonias root, bls. lb. 1.50 - —
Hemlock oil, cns. lb. 2.55 - 3.00
Henbane leaves, bls. lb. .35 - .40
Heptachlor, dms., c.l., t.l., frt. alld., 100% basis lb. .96 - —
Heptane, indust., tankcars, New Jersey and New York gal. .20 - —
Houston, Texas gal. .1625- —
Hesperidin, purif., 100-lb. fib. dms., f.o.b., works lb. 8.95 - —
Hesperidin methylchalcone, bots., 50-lb. lots, works lb.22.50 - —
bots., 5-lb. lots, works lb.23.00 - —
bots., 1-lb. lots, works lb.23.50 - —
Hexachlorophene, dms., 1,100 lbs. or more lb. 1.84 - —
dms., to 1,100 lbs. lb. 1.94 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or New York City lb. .233 - —
Hexamethylenetetramine, tech., bgs., 1,000-19,999-lb. lots, same basis lb. .243 - —
bgs., smaller lots, same basis lb. .253 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .250 - —
fib. dms., smaller lots, same basis lb. .253 - —
USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York City and Philadelphia lb. .42½ - —
bgs., smaller lots, same basis lb. .43½ - .48⅛
Hexane, industrial, tankcars, New Jersey and New York gal. .20 - —
Houston, Texas gal. .16 - —
l-Hexanol, dms., c.l., works lb. .35 - —
dms., l.c.l., works lb. .35¾ - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
n-Hexyl methacrylate, dms., c.l., works lb. .75½ - —
dms., l.c.l., works lb. .76 - —
Hexyl salicylate, dms. lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .17½ - —
dms., l.c.l., dlvd. lb. .19 - —
tanks, dlvd. lb. .15 - —
Hexylresorcinol, USP, dms., 25-lb. lots or more, dlvd lb.14.00 - —
dms., smaller lots, dlvd. lb.14.50 - —
Homatropine hydrobromide, USP, bots oz. 3.25 - —
Homatropine methylbromide, USP, bots oz. 3.25 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 6.75 - —
Horehound herb, bls. lb. .18 - .20
Hydrastis (see Goldenseal).
Hydrazine hydrate, 85% ret. dms., works lb. 1.35 - 1.55
100%, ret. dms., works lb. 1.60 - 1.90
Hydriodic acid, purif., 47%, 2-cbys., f.o.b. works lb. 2.92 - —
Hydroabietyl alcohol, tech., solid, dms., c.l., dlvd. zone 1 lb. .29¼ - —
dms., l.c.l., dlvd. zone 1 lb. .29¾ - .30¼
tanks, dlvd. zone 1 lb. .27¼ - —
Zone 1 for hydroabieyl alcohol comprises all of continental US except Ariz., Calif., Colo., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo., and the western part of Texas.
Hydrobromic acid, medicinal, 48%, cbys., frt. equald lb. .48 - .50
Hydrochloric acid, anhyd. (see Hydrogen chloride).
Hydrochloric acid, 18°, cbys., c.l., works 100 lbs. 2.50 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt. equald ton.28.00 - —
20°, cbys., c.l., works 100 lbs. 2.75 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton.30.00 - —
Hydrochloric acid, 22°, cbys., c.l., works 100 lbs. 3.25 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt. equald ton.35.00 - —
Hydrochloric acid, CP, USP, consumers, cbys., extra, c.l., works lb. .15¾ - —
cbys., l.c.l., same basis lb. .17¼ - .17¾

Hydrochloric acid, 5-pint bots., extra cs., c.l., same basis. lb. .20¾- —
Hydrocortisone acetate, bulk, bots., kilo lots or more..gram. 1.10 - 1.90
Hydrocortisone alcohol, bulk, bots., kilo lots or more..gram. 1.10 - 1.90
Hydrocyanic acid, dilute, NF, 2%, 5-pt. bots., f.o.b. works.. pt. .70 - —
Hydrofluoric acid, anhyd. (see Hydrogen fluoride).
Hydrofluoric acid, aqueous, 70%, 55-gal. or 30-gal. dms., c.l., t.l., dlvd 100 lbs.19.25 - —
55-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.20.75 - —
20-gal. dms., c.l., t.l., dlvd. 100 lbs.21.00 - —
20-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.22.50 - —
tanks, works frt. equald. 100 lbs.13.40 - —
Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Washington and Wyoming. In those states add $2.70 per cwt. for drum delivery.
Hydrofluosilicic acid, dms., works, 30% basis lb. .06 - —
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
50-lb. cyls., l.c.l., works lb. .55 - .60
Hydrogen chloride, anhyd., 50-lb. cyls., l.c.l., works lb. .45 - —
Hydrogen cyanide, liq., 98%, tanks, works lb. .14 - —
Hydrogen fluoride, anhyd., cyls., dlvd. E lb. .30½- .32½
cyls., dlvd W. lb. .39 - —
tanks, works lb. .18 - —
Hydrogen peroxide, 35%, dms., c.l., dlvd lbs. .202 - —
dms., l.c.l., dlvd. lb. .211 - —
tanks, dlvd. lb. .1800- —
Hydroquinone, photo grade, dms., 50-lbs., f.o.b. works lb. 1.10 - —
Tech., dms., c.l., dlvd. lb. .82½- —
dms., l.c.l., dlvd. lb. .84½- —
Hydroquinone monomethyl ether, dms., t.l., dlvd lb. 2.59 - —
dms., l.t.l., dlvd. lb. 2.61 - —
Hydroxyacetic acid, tech., 70% dms., Philadelphia and Chicago lb. .11 - —
tanks, Belle, W. Va. lb. .073 - —
Hydroxycitronellol, cns. lb. 4.85 - 5.75
Hydroxyethyl cellulose, add grades, fib. dms., 20,000-lb. lots or more, f.o.b. shipping point lb. .84 - —
fib. dms., 2,000 to 19,999-lb. lots, same basis lb. .89 - —
fib. dms., 100 to 1,999-lb. lots, same basis lb. .93 - —
fib dms., smaller lots, same basis lb. 1.03 - —
Hyoscine salts (see Scopolamine).
Hyoscyamine hydrobromide, bots.oz. 7.00 - —
Hyoscyamine sulfate, bots. oz. 7.00 - —
Hypophosphorous acid, purif., 50%, 10-cbys., f.o.b. works lb. 1.95 - —
NF, 50%, 10-cbys., same basis lb. 1.35 - —

I

Ichthammol, NF, dms. lb. .75 - 1.05
Indigo (see Dyes, coaltar, 1171 indigo, syn.)
Indole, CP, bots. lb.13.75 -15.00
Inositol, 50-100 lb. dms., 1,000 lbs. or more, dlvd. lb. 4.50 - —
50-100 lb. bgs., less than 1,000 lb., dlvd lb. 4.75 - —
10 lb. cns., 10-50 lbs., dlvd. lb. 5.00 - —
5 lb. bots., dlvd. lb. 5.25 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. lb. .95 - —
Resub., USP, dms., f.o.b. works lb. 2.00 - 2.02
Iodochlorohydroquinolin, USP, dms. lb. 3.60 - —
Iodoform, NF, dms., 300-lbs., f.o.b. works lb. 4.90 - —
dms., 100-lbs., same basis lb. 5.05 - —
a-Ionone, cns. lb. 4.60 - 5.75
b-Ionone, cns. lb. 4.15 - 6.15
Ipecac root, whole, bgs. lb. 8.00 - 8.50
Powd., bbls., bxs. lb. 9.50 -10.00
Irish moss, bleached, prime, bls. lb. .20 - .23
Iron blue, alkali-resisting, bbls., c.l., dlvd. E lb. .57 - —
bbls., l.c.l., ton lots, same basis. lb. .58 - —
bbls., smaller lots, same basis.lb. .59 - —
Dom., reg., bbls., c.l., dlvd. E lb. .52 - —
Iron blue, alkali-resisting, dom., reg., bbls., l.c.l., ton lots, same basis lb. .53 - —
bbls., l.c.l., smaller lots, same basis lb. .54 - —
Imp., British, reg., bbls., c.l., dlvd. E lb. .48 - —
bbls., l.c.l., ton lots, same basis lb. .49 - —
bbls., l.c.l., smaller lots, same basis lb. .50 - —
Iron blue dlvd. prices 1c. higher for Pacific Coast states: Wash., Ore., Cal., N. M., Ariz., Mont., Wyo., Utah, Col. and Nev.
Iron compounds (see Ferric or Ferrous).
Iron oxide, black, pure, bgs., c.l., works lb. .14¾- —
bgs., l.c.l., works lb. .15 - —
Iron oxide, brown, pure, bgs., c.l., works lb. .14¼- —
bgs., l.c.l., works lb. .14½- —
Iron oxide, metallic, brown, bgs., works lb. .05¼- —
Iron oxide, Persian Gulf, red., bgs., c.l., works lb. .08¾- —
Iron oxide, red, dom., pure, bgs., Bethlehem, East, E. St. Louis, New York City lb. .14¼- —
Iron oxide, red, nat., 75-83% ferric oxide, bgs., c.l., works lb. .06¼- —
bgs., l.c.l., works lb. .06½- —
Iron oxide, Spanish red, bbls., c.l., ex dock lb. .05¾ Nom.
bbls., l.c.l., ex dock lb. .06 Nom.
bbls., l.c.l., ex whse, New York lb. .06½ Nom.
Iron oxide, yellow, nat., French type, bgs., c.l., works lb. .06¼- —
Peruvian type, bgs., l.c.l. lb. .023 - .024
Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works lb. .12¼- —
Other shades, same basis lb. .12 - —
Isoamyl alcohol, dms., c.l., works, frt. alld E lb. .27½- —
dms., l.c.l., same basis lb. .29 - —
tanks, same basis lb. .25 - —
Isoborneol, cns. lb. 1.44 - 1.80
Isobornyl acetate, cns. lb. .46 - .56
Isobornyl formate, dms. lb. 1.20 - —
Isobornyl proprionate, dms. lb. 1.25 - 1.35
Isobutyl acetate, perfume grade, cns lb. .35 - —
Isobutyl acetate, solvent grade, dms., c.l., dlvd. E. of Rockies lb. .15¼- —
dms., l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .12¾- —
Isobutyl alcohol, dms., c.l., dlvd lb. .15½- —
dms., l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .13 - —
Isobutylene, 99%, tanks, works gal. .38 - —
Isobutyl isobutyrate, dms., f.o.b. works lb. .75 - —
Isobutyraldehyde, CP, dms., c.l., dlvd. lb. .27¼- —
dms., l.c.l., dlvd. lb. .28½- —
Tech., dms., c.l., dlvd. lb. .22 - —
dms., l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .19½- —
Isobutyronitrile, dms., c.l., dlvd. lb. .52 - —
dms., l.c.l., same basis lb. .57 - —
Isobutyric acid, dms., c.l., t.l., dlvd. lb. .35 - —
dms., l.c.l., l.t.l., same basis lb. .36½- —
t.c. t.t., same basis lb. .33 - —
Isoeugenol, cns. lb. 3.40 - 4.25
Isoniazid, powd., bulk, kilo or more kilo.18.00 - —
Isonicotinic acid, 100-lb. fib. dms., works lb. 4.25 - —
Isonicotinic acid hydrazide (see Isoniazid).
Iso-octyl alcohol, dms., c.l., dlvd. E. lb. .23½- —
dms., l.c.l., dlvd. E. lb. .25 - —
tanks, dlvd. E. lb. .21 - —
Isopentane, com'l. grade, tanks, f.o.b. Tex. refy. gal. .16½- —
Isophorone, dms., c.l., works lb. .24½- —
dms., l.c.l., works lb. .25¼- —
tanks, works lb. .22½- —
Isophthalic acid, dms., c.l., works, frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
Isopropanol (see Isopropyl alcohol).
Isopropyl acetate, dms., c.l., dlvd. lb. .14 - —
dms., l.c.l., same basis lb. .15½- —
tanks, same basis lb. .11½- —
Isopropyl alcohol, refd., 91%, dms., c.l., dlvd gal. .53 - —
dms., l.c.l., dlvd. gal. .68 - —
tanks, dlvd. gal. .42 - —
Isopropyl alcohol, refd., 95%, c.l., dms., dlvd gal. .60 - —
dms., l.c.l., dlvd. gal. .70 - —
tanks, dlvd. gal. .44 - —
anhyd., c.l., dlvd. gal. .62 - —
dms., l.c.l., dlvd. gal. .72 - —
tanks, dlvd. gal. .46 - —
Isopropyl benzene (see Cumene).
Isopropyl ether, dms., c.l., dlvd lb. .09½- —
dms., l.c.l., dlvd. lb. .11 - —
tanks, dlvd. lb. .07 - —
Isopropyl-N-(3-chlorophenyl) carbamate (CIPC) tech., dms., c.l., t.l., works lb. 1.00 - —
dms., l.c.l., works lb. 1.05 - 1.25
tanks, works lb. .99 - —
Isopropylamine (see Mono, Di, or Tri-).
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works lb. .75 - —
450-lb. fib. dms., l.c.l., works lb. .80 - .90
Isoquinoline, dms., works lb. .65 - 1.25
Itaconic acid, refd., bgs., c.l., f.o.b. works lb. .53½- —
bgs., l.c.l., same basis lb. .54½- —
Tech., bgs., c.l., same basis lb. .38½- —
bgs., l.c.l., same basis lb. .39½- —

J

J acid, paste, bbls., works, 100% basis lb 2.70 - —
Powd., bbls., same basis lb. 2.75 - —
Jalap root, NF, bls. lb. .60 - —
NF, powd., bbls., bxs. lb. .70 - .75
Japan wax, cs. lb. .29 - .31
Juniper berries, bgs. lb. .16 - .17
Juniper berry oil, NF, bots. lb 2.90 - 3.75
Twice rectified, bots. lb. 3.25 - —
Juniper tar oil, NF, dms. lb. .42 - .60
Juniper wood oil, tech., cns. lb. .38 - .58

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New Cold Caustic Bleach Process

Looking for a way to use greater amounts of low-cost, more plentiful pulp—without capital investment for bleach equipment? Then let a Becco Sales Engineer show you our new technique* which allows you to bleach in the same equipment regularly used for the manufacture of cold caustic pulp.

In this new process, peroxide bleach liquor is added at the Bauer Refiner, and bleaching occurs during the refining operation. Bleach response depends on refiner densities.

Up to 20 points brightness increase has been obtained in commercial operations to date, and with no additional steam costs, no holding time, and no excessive chemical costs.

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*—Patent Pending

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?

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2. Specific proposal with recommendation of proved equipment and where it is obtainable.
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4. Periodic inspection and permanent service.

Can you use this free Becco help, based on more years of experience with bulk handling of H_2O_2 than any other manufacturer? Use the coupon to let us know.

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Gentlemen:
Please tell me more about your Four-Fold Engineering Service.

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FIRM_____
ADDRESS_____
CITY_____
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If one of our patents can help you, we'll be glad to license the rights to you **perpetually**, for just one dollar. You get a nice certificate, incidentally, to cover the legalities, but more important—you also get free our complete engineering help in setting up your process, handling the material, maintenance, etc., etc.

What do **we** get? You as a **customer**—we hope—but there's no obligation on your part. Just seems to work out that way, though—when we know enough about a particular peroxygen to hold a patent on its use, chances are we've also learned enough to produce it purer than anyone else. You benefit from this; we do, too.

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☐ Peroxygen Chemicals
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☐ Please have a Sales Engineer call.

NAME_____
FIRM_____
ADDRESS_____
CITY_____
ZONE____ STATE_____

K

Kaolin (see also Clay, China).
Kaolin, NF, powd., fib. dms.....lb. .10 - .12
NF, colloidal, 50-lb. bgs.....lb. .15½- .17½
Karaya gum, No. 1, NF, powd., bls lb. .48 - .50
No. 2, powd., bbls.....lb. .43 - .45
No. 3, powd., bbls.....lb. .37 - .40
Koch acid, bbls., frt. alld., 100% basis lb. 1.00 - —
Kola nuts, bgs.....lb. .13 - .15

L

L acid, bbls., works.....lb. 1.25 - —
Lacquer diluent, petroleum, 140°F. 200°F. b.r., tankcars, New Jersey and New York gal. .20 - —
Group 3.....gal. .15125- —
Houston, Texas.....gal. .16 - —
200°F-240°F b.r., tankcars, New Jersey or New York gal. .20 - —
Group 3.....gal. .14123- —
Houston, Texas.....gal. .16 - —
Lactic acid, edible, 50%, bbls. dms., c.l., frt. equald.....lb. .1985- —
bbls., dms., 20 or more, frt. equald lb. .2035- —
bbls., dms., 5 to 19, frt. equald. lb. .2085- —
bbls., dms., 1 to 4, frt. equald. lb. .2135- —
Lactic acid, edible, 80%, bbls., c.l., dms., frt. equald..lb. .3335- —
bbls., dms., 20 or more, frt. equald lb. .3385- —
bbls., dms., 5 to 19, frt. equald. lb. .3435- —
bbls., dms., 1 to 4, frt. equald. lb. .3485- —
Plastic grade, 50%, c.l., bbls., works..lb. .2740- —
bbls., 20 or more, works..lb. .2790- —
bbls., 5 to 19, works.....lb. .2840- —
bbls., 1 to 4, works.....lb. .2890- —
80%, bbls., c.l., works.....lb. .4625- —
bbls., 5 to 19, works.....lb. .4725- —
bbls., 1 to 4, works.....lb. .4775- —
Tech., 44%, bbls., c.l., works. 100 lbs.12.45 - —
bbls., l.c.l., works.....100 lbs.12.85 - —
USP, 85%, cbys.....lb. .85 - —
Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald..lb. .14 - —
bgs., 6,000-lb. lots, frt. equald lb. .14½- —
bgs., 2,000-lb. lots, frt. equald lb. .14¾- —
bgs., 200-lb. lots, frt. equald..lb. .15¼- —
Edible lactose in fib. dms., ½c. higher.
Lactose, ferment, grade, bgs., c.l., works..lb. .08½- —
Lactose, USP, reg., fib. dms., 30,000-lb. lots, frt. equald..lb. .21½- —
fib. dms., 2,000-lb. lots, frt. equald..lb. .22¼- —
200-1,880-lb. lots, frt. equald..lb. .22¾- —
USP lactose in bags ½c. to 1c. lower.
Lactose, USP, spray dried, bgs., t.l., frt. equald..lb. .18¼- —
bgs., l.t.l., frt. equald....lb. .19 - .19¾
Lady's slipper root, bls.....lb. 3.00 - 3.50
Lamp black, bgs., c.l., works....lb. .16 - .45
Lanolin, USP, anhyd., 400-lb. dms., works..lb. .24 - .26
USP, anhyd., cosmetic, 400-lb. dms., works..lb. .26 - .30
USP, hydrous, 400-lb. dms., works. lb. .24 - —
Lard, cash, dms., Chicago.....lb. .0990- —
Lard oil (see Grease oil).
Larkspur seed, bgs.....lb. .55 - —
Laurel leaf oil, dms., cns.....lb. 9.75 - 12.50
Laurent's acid, bbls.....lb. .70 - —
Lauric acid, pure, dms.....lb. .35½- —
tanks.....lb. .34½- —
Lauryl alcohol, bots.....lb. 2.00 - 2.50
n-Lauryl methacrylate, dms., c.l., t.l., works..lb. .65½- —
dms., l.t.l., works.....lb. .66 - —
Lavandin oil, 22-24%, dms.....lb. 1.10 - 1.50
Abrial, dms.....lb. 1.00 - 1.50
Lavender flowers, medium, bls..lb. .55 - .60
Ord., bls.....lb. .20 - .25
Select., bls.....lb. .90 - 1.00
Lavender flower oil, USP, French, 35-37% ester, cns..lb. 1.85 - 4.00
40-42% ester, cns.....lb. 5.00 - 7.75
Spike, Spanish, cns.....lb. 2.20 - 3.00
Lead acetate, NF, cryst., gran., powd., bbls..lb. .34½- —
White, cryst., bbls.....lb. .25½- —
gran., bbls.....lb. .26½- —
powd., bbls.....lb. .26½- —
Lead arsenate, acid powder, dealers, 3-50-lb. bgs. or any quantity, frt. alld. on $150 or more..lb. .30½- —
1-lb. bgs., same basis..lb. .47 - —
Lead, blue, basic sulfate, bbls., c.l., shipt. point, frt. alld..lb. .17 - —
bbls., l.c.l., same basis.....lb. .18 - —
Lead carbonate (see Lead, white, basic carbonate).
Lead chloride, dms.....lb. .52 - —
Lead iodide, NF, V jars.....lb. 3.82 - —
Lead linoleate fused, 26% Pb, dms. lb. .38 - —
Lead metal prime, pigs, New York. lb. .12 - —
St. Louis.....lb. .1180- —
Lead monosilicate, bgs., c.l., works, frt. equald..lb. .1385- —
bgs., l.c.l., same basis.....lb. .1485- —
Lead naphthenate, liq., 16% Pb., dms., dlvd..lb. .19½- —
24% Pb., dms., dlvd.....lb. .24¼- —
Solid, 37% Pb., dms., dlvd.....lb. .31¾- —
Lead nitrate, bbls.....lb. .24¼- .26¾
Lead orthosilicate gel., 50-60% PbO, dms., works..lb. .29¾- .34¼
Lead peroxide, tech. powd., bbls lb. .45 - .50
Lead phthalate, dibasic, dms., works. lb. .41 - —
Lead, red, 95% Pb_3O_4 or less, bbls., c.l., works, frt. equald. lb. .1425- —
bbls., l.c.l., same basis lb. .1525- —
97% Pb_3O_4, bbls., c.l., same basis..lb. .1445- —
bbls., l.c.l., same basis....lb. .1545- —
98% Pb_3O_4, bbls., c.l., same basis..lb. .1460- —
bbls., l.c.l., same basis....lb. .1560- —
Lead resinate precip. 23% Pb, dms., ton lots, dlvd..lb. .43¾- —
Lead salicylate, normal dms., works lb. .46 - —
Lead silicate (see Lead white basic silicate).
Lead silicochromate, bgs., c.l., f.o.b. mfrs. point, frt. alld..lb. .20 - —
bgs., l.c.l., same basis.....lb. .21 - —
Lead sulfate (see Lead blue basic sulfate).
Lead tallate, liq., 16% Pb, dms..lb. .17¼- —
24% Pb, dms.....lb. .26¾- —
Solid, 30% Pb, dms.....lb. .23¼- —
Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld lb. .18 - —
bgs., l.c.l., same basis....lb. .19 - —
basic silicate, bgs., c.l., shipt. pt., frt. alld..lb. .16½- —
bgs., l.c.l., same basis....lb. .17½- —
basic silicate, bgs., c.l., shipt. pt., frt. alld..lb. .17 - —
bgs., l.c.l., same basis.....lb. .18 - —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works. lb. .14 - .15
non-ret. dms., l.c.l., same basis..lb. .15 - .16
Lecithin, edible, tech., unbleached, non-ret. dms., c.l., same basis..lb. .13 - .14
non-ret. dms., l.c.l., same basis..lb. .14 - .15
Lemon bioflavonoid complex, 100-lb. package, works..lb. 6.45 - —
Lemon oil, USP, Calif., cns., dms. lb. 1.40 - 1.50
Messina, cns.....lb. 3.25 - 4.00
Lemongrass oil, cns., dms.....lb. 2.00 - 2.20
dl-Leucine, dms., works.....lb. 12.25 -15.00
Licorice root, gran., bls.....lb. .13 - —
Powd., bls.....lb. .15 - .16
Whole, bls.....lb. .09 - .10
Lignaloe wood oil, Mexican, cns..lb. 2.75 - 3.50
Lignosulfonate (see under Ammonium or Sodium lignin sulfonate).
Lilac oil.....lb. 1,500.00
Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. ton.14.25 - —
Chemical, hydrated, bgs., c.l., same basis..ton.17.25 - —
spray, bgs., c.l., same basis..ton.18.25 - —
For New York delivery, add $6.29 freight charge.
Lime oil, dist., Mexican, cns.....lb. 5.90 - 6.75
West Indian, cns.....lb. 6.50 - 7.80
Expressed, West Indian, cns...lb. 7.75 - 8.75
Lime salts (see Calcium).
Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Linalool, ex bois de rose oil, dms. lb. 2.75 - 3.75
Syn., 98-100%, dms., works....lb. 3.20 - —
Linalyl acetate, ex bois de rose, 90-92%, dms..lb. 2.75 - 3.40
96-98%, dms.....lb. 3.25 - —
Syn., 98-100%, dms., works....lb. 3.20 - —
Lindane, 25% formulation, to distributors, dms., frt. alld. lb. 1.35 - 1.50
Lindane, tech., to formulators, 250-lb. dms., 5,000 lbs., dlvd. lb. 2.13 - —
100-lb. dms., 5,000-lbs., dlvd.lb. 2.15 - —
250-lb. dms., less than 5,000-lbs., dlvd..lb. 2.18 - —
100-lb. dms., less than 5,000-lbs., dlvd..lb. 2.20 - —
Linden flowers, with leaves, bls..lb. .35 - .40
Without leaves, bls.....lb. .42 - .45
Linseed meal, expeller, 32% bulk, Minneapolis, mills ton.61.50 - —
Extracted, 34% bulk, same basis. ton.53.00 - —
Linseed oil, raw, dms., c.l., New York..lb. .1680- —
dms., l.c.l., New York.....lb. .1770- .1820
tanks, f.o.b. Minneapolis.....lb. .1320- —
tanks, New York.....lb. .1431- —
tankwagon, New York.....lb. .1481- —
Boiled linseed oil, .006c. per lb higher.
Linseed oil, acid, dist., dms.....lb. .2030- —
Water-white, dms.....lb. .2330- —
Litharge, coml., powd., bbls., c.l., works, frt. equald..lb. .1375- —
bbls, l.c.l., same basis.....lb. .1475- —
Lithium aluminum hydride, lump, dms., works..lb.33.00 -39.00
Lithium benzoate, dms.....lb. 1.65 - 1.67
Lithium bromide, NF, gran., bgs., works, frt. equald..lb. 2.60 - —
Lithium carbonate, NF, dms., c.l., t.l., dlvd..lb. 1.29½- —
dms., ton lots to t.l., dlvd..lb. 1.30 - 1.30¼
Tech., dms., c.l., t.l., frt. alld..lb. .67 - —
dms., ton lots, same basis....lb. .73 - —
dms., smaller lots, same basis. lb. .79 - —
Lithium chloride, CP, anhyd., dms., ton lots lb. 1.23½- —
Tech., anhyd., dms., c.l., t.l., dlvd. or works, frt. alld..lb. .87 - —
dms., l.c.l., same basis.....lb. .88 - .93
Lithium citrate, NF, dms., ton lots. lb. 1.50 - —
Lithium fluoride, dms., 20,000-lb. lots, dlvd..lb. 2.15 - —
bbls., ton lots and more, dlvd..lb. 2.18½- —
bbls., less ton lots, dlvd.....lb. 2.23½- —
Lithium hydride, powd., dms., 500-lbs. lots or more, works. lb. 9.50 - —
Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld..lb. .72 - —
dms., l.c.l., frt. alld.....lb. .73 - —
Lithium manganite, dms., works..lb. .95 - 1.05

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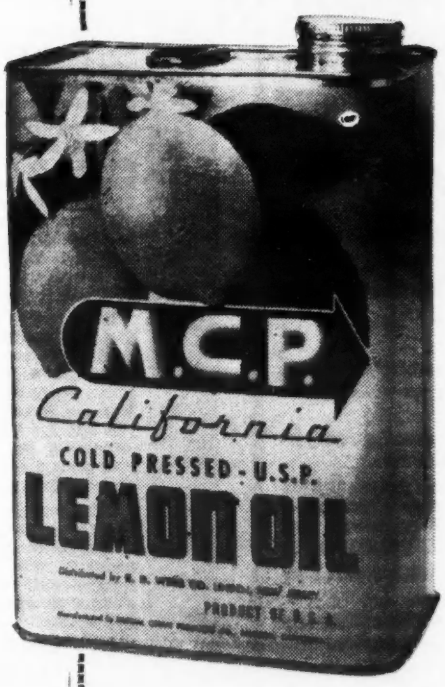
ONE PRICE — *That Saves You Money*
. . . and Perfect Performance for *Every* Purpose!



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137 Boston Post Road, Cos Cob, Conn.

Lithium nitrate, tech., dms., 100-lb. lots..lb. 1.15 - 1.25
Lithium salicylate, dms. .....lb. 1.60 - 1.70
Lithium silicate, dms., works....lb. 1.10 - 1.20
Lithium stearate, dms., c.l., works, lb. .47½- —
dms., ton lots, works.....lb. .48½- —
dms., less-ton lots, works.....lb. .53½- —
Lithium sulfate, dms., 100-lb. lots, lb. 1.15 - 1.25
Lithium titanate, dms., works....lb. 1.15 - 1.25
Lithol red toner, barium, bbls., works..lb. .98 - —
Lithol-rubine red toner, pure, bbls., works..lb. 1.50 - —
Resinated, bbls., works.....lb. 1.47 - —
Lithopone, ord., bgs., c.l., dlvd. E. lb. .08¾- —
bgs., l.c.l., dlvd. E.....lb. .09½- —
Titanated (high-strength), bgs., c.l., dlvd..lb. .11 - —
bgs., l.c.l., dlvd. .....lb. .12 - —
Lobelia herb, bls. .....lb. .55 - —
Lobeline sulfate, bots., 50-oz. lots, works..oz.30.00 - —
Locust bean gum, powd., bgs. ....lb. .35 - .40
Lycopodium, cs. .....lb. 3.25 - 3.50
1-Lysine monohydrochloride, 25-lb. dms..lb. 4.95 - —

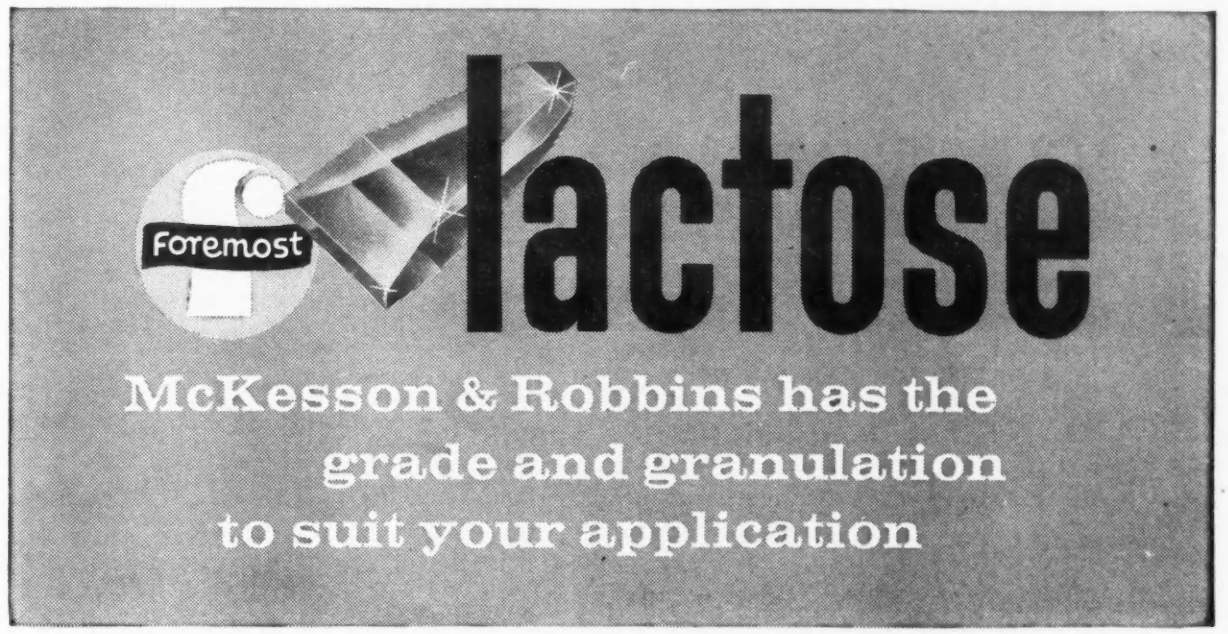
M

Mace, Siauw, No. 1, bls. .....lb. 1.90 - —
No. 2, whole, bls. .....lb. 1.65 - —
siftings, bls. .....lb. 1.60 - —
Mace oil, dist., cns., dms.....lb. 9.00 -11.00
Magnesia, calcined, tech., bgs., ctns., frt. equald..lb. .25¾- .26½
Tech., syn., rubber grade, light, bgs., c.l., frt. equald..lb .28¾- .30
rubber grade, extra light, bgs., c.l., frt. equald..lb. .28 - —
bgs., l.c.l., frt. equald..lb. .28¾- —
Above prices are quoted f.o.b. works, freight equald., with Metropolitan New York and competitive producing points
Magnesia, calcined, tech., heavy, 85%, bgs., c.l., f.o.b. Lunning, Nev..ton.39.50 - —
91%, bgs., c.l., same basis, ton.49.50 - —
95%, bgs., c.l. same basis, ton .59.00 - —
USP, light, bgs. .....lb. .36½- .37½
USP, heavy, bgs. .....lb. .36½- .37½
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald..ton.36.25 - —
Chemical grade, deadburnt, standard grain, bulk., c.l., Chawelah, Wash. ..ton.46.00 - —
Magnesium bromide, cs., jars..lb. .95 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald..lb. .11 - —
bgs., t.l., frt. equald.....lb. .11½- —
bgs., l.c.l., frt. equald.....lb. .13½- .14
USP, bgs., c.l., frt equald....lb. .13½- —
bgs., t.l., frt. equald.....lb. .14 - —
bgs., l.c.l., frt. equald.....lb. .15 - 16
Above prices are quoted f.o.b. works, freight equald., with Metropolitan New York and competitive producing points.
Magnesium chloride, anhyd., 92%, flake or pebble, drums., c.l., works..lb. .12¾- —
dms., l.c.l., works.....lb. .14 - .15
Hydrous, 99%, flake, bgs., c.l., works..ton.55.00 - —
bgs., l.c.l., works.....ton.65.00 -80.00
Magnesium gluconate, 100-lb. dm., f.o.b. works, E..lb. 1.42 - —
Magnesium hydroxide, NF, powd., dms., 500-lbs. or more, f.o.b. works..lb. .24½- .25½
Magnesium lauryl sulfate, dms., c.l., frt. alld..lb. .22½- —
dms., l.t.l., frt. alld. .....lb. .23½- —
tanks, frt. alld. .....lb. .21½ —
Magnesium metal, 99.8%, ingots, 10,000-lb. lots or more, works..lb .36 - —
pigs, 10,000-lb. lots or more, works..lb. .35¼- —
sticks, cs., works, frt. alld on carlots..lb. .59 - —
Magnesium nitrate, cryst., dms., works..lb. .29 - —
Magnesium oxide (see Magnesia, calcined).
Magnesium phosphate, tribasic, NF, bbls..lb. .75 - —
Magnesium silicate (see Talc).
Magnesium silicofluoride, dms., works..lb .10½- .12
Magnesium sulfate, tech., bgs., c.l., works..100 lbs. 2.15 - —
bgs, l.c.l., works.....100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
bgs., l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 3.10 - —
bgs., smaller lots.....100 lbs. 3.35 - —
Magnesium trisilicate, USP, fib. dms., 5,000-lb. lots..lb. .38 - —
fib. dms., 1,000-lb. lots.....lb. .40 - —
fib. dms., 100-lb. lots.....lb. .45 - —
Bulky and super grades of magnesium trisicilate 7c. per. lb. higher.
Malachite green, straight, PTA, bbls., works..lb. 5.30 - —
Malathion, dms., c.l., works.....lb. .89 - —
dms., l.c.l., works.....lb. .92 - 1.01
Maleic acid, cryst., powd., dms..lb. .37¼- —
Maleic anhydride, dms., c.l., frt. equald..lb. .23½- —
dms., l.c.l., frt. equald.....lb. .25 - —
tanks, frt. equald.....lb. .22½- —
Malic acid, tech., dms.....lb. .50 - —
Mandelic acid, NF, dms., 1,000-lb. lots..lb. 2.35 - —
dms., smaller lots.....lb. 2.40 - 2.50
Mandrake root, bls.....lb. .40 - —
Manganese acetate, dms., dlvd....lb. .35 - —
Manganese borate, tech., fib. dms. lb. .23½- —
Manganese carbonate, chemical grade, 46% Mn, bgs., 20,000-lb. lots and more, works..lb. .11 - .16
Manganese chloride, CP, anhyd., dms., 20,000-lb. lots, works lb. .21¾- —
smaller lots, works.....lb. .23½- —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net works..ton.148.00 - —
40,000 to 99,999-lb. lots, paper bgs., same basis.....ton.144.50 - —
40,000 to 99,999-lb. lots, dms. same basis..ton.152.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Manganese gluconate, dms.....lb. 1.84 - —
Manganese hydrate, dms., dlvd..lb. .35 - —
Manganese hypophosphite, NF, dms. lb. 3.52 - —
Manganese linoleate, liq., 4.35% Mn, dms..lb. .35¾- —
Solid, precip., 8.2% Mn, bbls..lb. .41¼- —

Manganese metal, electrolytic, dms., c.l., dlvd. E. .....lb. .34 - —
dms., ton lots, dlvd. E. .....lb. .36 - —
dms., smaller lots, dlvd. E...lb. .38 - —
Manganese naphthenate, liq., 6% Mn, dms., frt. alld..lb. .29¼- —
Manganese resinate, fused, 3½% Mn, dms..lb. .29¼- —
Precip., 6½-7% Mn, dms.....lb. .37 - —
Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd., S. E..ton.86.50 - —
bgs., l.c.l., dlvd. S. E..ton.93.50 - —
Manganese tallate, 6%, dms.....lb. .26½- —
Manila copal gum, C, bgs. .....lb. .35 - .39
DBB, bgs. .....lb. .25 - .28
DK, bgs. .....lb. No stocks.
DK, dust, bgs. .....lb. .14 Nom.
MA, soft, bgs. .....lb. .20 - .24
WS, bgs. .....lb. No stocks.
Mannitol, com'l, fib. dms., ton lots, works..lb. .60 - —
fib. dms., to ton lots, works..lb. .62 - —
fib. dms., single dm., works..lb. .65 - —
Marine pitch, dms. .....lb. .04¼- .05
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works.....lb. .26½- —
bgs., l.c.l., works .....lb. .28 - —
Menadione, USP, bots. .....gram. .044 - .05
Menhaden oil, crude, tanks, works, Atl. & Gulf..lb. .06¼- —
Menthol, nat., USP, Brazilian, large crystals, cs..lb. 8.50 - —
Nat., USP, Brazilian, regular crystals, cs..lb. 8.30 - 8.40
Japanese, cs. .....lb.12.00 - —
Syn., USP, racemic, 25-lb. lots..lb. 4.25 - —
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld..lb. .44 - —
bgs., fib. dms. less ton lots, same basis..lb. .46 - —

Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton lots, works, frt. alld..lb. .54 - —
bgs., fib. dms., less ton lots, same basis..lb. .56 - —
Mercuric chloride, NF, cryst., dms., 100 lbs., f.o.b. works..lb. 4.03 - —
USP, gran. or powd., 50-lb. dm., 100 lbs., f.o.b. works..lb. 3.78 - —
Mercuric cyanide, NF VIII, powd., fib. dms..lb. 3.84 - —
Mercuric iodide, red, NF, 100-lb. dm., f.o.b. works..lb. 6.97 - —
Mercuric oxide, red, NF IX, 50-lb. dm., 100 lbs., f.o.b. works, lb. 4.72 - —
tech., 50-lb. dm., 100 lbs., same basis..lb. 4.52 - —
Mercuric oxide, yellow, NF, 50-lb. dm., 100 lbs., same basis, lb. 4.89 - —
tech., dms., 100 lbs.....lb. 4.35 - —
Mercurous chloride (see Calomel).
Mercurous iodide, yellow, NF, 100-lb. dm., f.o.b. works..lb. 8.22 - —
Mercury, ammoniated (see White precipitate, USP XV).
Mercury metal, 76 lbs. per flask, net-flask.212.00 -215.00
Mesityl oxide, dms., c.l., dlvd....lb. .15 - —
dms., l.c.l., dlvd. .....lb. .16¼- —
tanks, dlvd. .....lb. .12½- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanilic acid, dms., works .....lb. .57 - .75

Metanitroparatoluidine (see m-Nitro-toluidine).
Metanitroaniline (see m-Nitroaniline).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-Tolylenediamine).
Methacrylic acid, glacial, 98%, dms., truckloads, frt. equald..lb. .42¼- —
dms., smaller lots, frt. equald. lb. .43 - .75
tanks, works, frt. equald..lb. .40 - —
Methanol, nat, denaturing grade, tanks, frt. alld..gal. .35 - —
Syn., zone 1, dms., c.l., or t.l. min., dlvd..gal. .51¼- —
dms., l.c.l., dlvd. .....gal. .61½- —
tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area..gal. .33 - —
tankwagon, 4,000 gal. min., dlvd..gal. .30 - —
tankwagon, 4,000 gal. min., f.o.b. terminal..gal. .29 - —
Methanol, syn., zone 2, dms., c.l., or t.l., min. frt. alld. or dlvd. gal. .55½- —
dms., l.c.l., works.....gal. .65½- —
tankwagon, 2,000-4,000 gal. lots, min., dlvd., Metropolitan area gal. .39 - —
tanks, 4,000 gal. min., dlvd. gal. .34 - —
Synthetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.



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CHOOSE FROM THESE 5 GRADES:

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- Lactose U.S.P.—Spray Process
- Lactose Edible
- Crude Milk Sugar
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10 granulations available

COLORED LACTOSE is now produced in refined grades that offer the chemical and drug industries many unique and profitable applications.

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World's Largest Producer of Lactose—Pure Milk Sugar

DIVISION OF FOREMOST DAIRIES, INC.

Methapyrilene Fumarate—Monoallylamine

Methapyrilene fumarate, 100-999 lbs., dms., f.o.b. works, frt. equald lb. 21.75 - —
Methapyrilene hydrochloride, 100-999 lbs., dms., f.o.b. works, frt. equald lb. 27.25 - —
Methenamine (see Hexamethylene-tetramine).
Methionine hydroxyanalogue, (calcium salt) 90% min., cms., t.l., frt. alld. lb. 1.10 - —
dms., l.t.l., same basis lb. 1.16 - —
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 3.50 - —
Feed grade, 98%, fib. dms., same basis lb. 1.55 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs lb. .66 - —
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .21½- —
non-ret. dms., l.c.l., same basis lb. .22 - .22½
Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .23½- —
non-ret. dms., l.c.l., same basis. lb. .24 - .24½

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

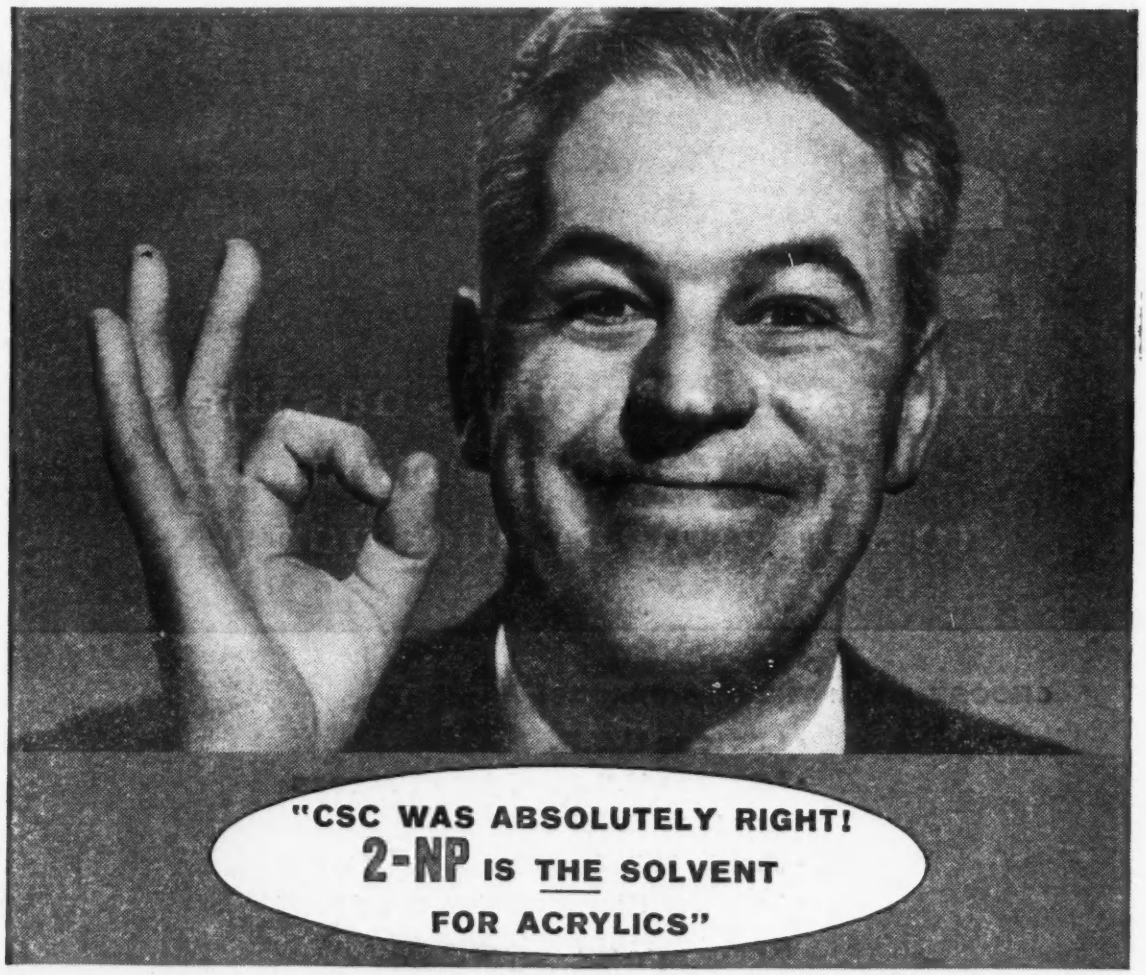
Methyl acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
Methyl acetone, syn., dms., c.l., frt. alld. E gal. .66 - —
dms., l.c.l., frt. alld. E. gal. .76 - —
tanks, frt. alld. E. gal. .51 - —

Synthetic methyl acetone E. territory comprises all states East of and including Colo., Mont., N. Mex. and Wyo. West territory is made up of all states west of those four.

Methyl acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
dms., l.t.l., dlvd. lb. .40 - —
tanks, dlvd. lb. .37 - —
Methyl alcohol (see Methanol).
Methyl amyl acetate, dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., dlvd. E. lb. .18½- —
tanks, dlvd. E. lb. .14½- —
Methyl amyl alcohol, dms., c.l., dlvd. works lb. .17 - —
dms., l.c.l., dlvd. lb. .18½- —
tanks, dlvd. lb. .14½- —
Methyl amyl ketone, dms., works. lb. 1.05 - —
N-Methylaniline, tech., tanks, frt. alld lb. .60 - —
Methylanthranilate, cns. lb. 2.45 - 3.00
Methyl benzoate, cns., dms. lb. .60 - .75
Methyl bromide, service organization prices, 40 to 375-lb. cyls., large lots, frt. alld. lb. .62 - .65
Methyl cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .82 - —
50-lb. bgs., 2,000-lb. lots and more, same basis lb. .89 - —
50-lb. bgs., smaller lots, frt. alld. on 100 lbs lb. 1.05 - —
Standard vis. (15,400 cps.) 50-lb. bgs., c.l., frt. alld. lb. .69 - —
50-lb. bgs., 2,000-lb. lots and more, same basis lb. .76 - —
50-lb. bgs., smaller lots, frt. alld. on 100 lbs lb. .79 - .82
Methyl chloride, indust., cyls., frt. equald lb. .22¼- —
tanks, multi-unit, same basis. lb. .16¼- —
tanks, single unit, same basis. lb. .12¾- —
Refrigerator mfrs., cyls., dlvd lb. .48¾- —
Other consumers or service men, cyls., dlvd lb. .67¾- —
Methyl chloroform (see 1,1,1-Trichloroethane).
Methyl cinnamate, cns. lb. 1.55 - 1.80
Methyl ethyl ketone, dms., c.l., dlvd. lb. .15 - —
dms., l.c.l., dlvd. lb. .16½- —
tanks, dlvd. lb. .12½- —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .45 - —
dms., l.c.l., works lb. .45¾- —
tanks, works lb. .43 - —
Methyl formate, refd., dms. lb. .35 - .40
Tech., non-ret. dms., any quantity, works lb. .10 - —
tanks, works lb. .07 - —
a-D Methyl glucoside, tech., 100-lb. multiwall paper bgs., c.l., works lb. .21 - —
100-lb. multiwall paper bgs., t.l., min. 23,000 lbs., works. lb. .21½- —
100-lb. multiwall paper bgs., l.t.l., works lb. .23 - —
Methyl heptin carbonate, bots. lb. 27.75 - 31.00
Methyl p-hydroxybenzoate, fib. dms. lb. 1.90 - 3.00
Methyl ionone, standard, cns., dms. lb. 3.40 - 3.85
Methyl isobutyl carbinol (see Methyl amyl alcohol).
Methyl isobutyl Ketone, dms., c.l., dlvd lb. .17 - —
dms., l.c.l., dlvd. lb. .18½- —
tanks, dlvd. lb. .14½- —
Methyl methacrylate, dms., c.l., t.l., frt. equald, with Belle, W. Va. lb. .31 - —
dms., smaller lots, same basis lb. .31½- —
tanks, same basis lb. .29 - —
Methyl naphthyl ketone, cryst., cns lb. 2.45 - 4.30
Methyl parahydroxybenzoate (see p-Hydroxybenzoate).
Methyl parathion, tech., 80%, dms., frt. alld. E lb. .84 - —
Methyl parathion prices 2c. per lb. higher in West.
Methyl roseaniline chloride, NF., 5-lb. fib. dms lb. 6.90 - —
Methyl salicylate, dms., t.l., frt. alld lb. .60¼- —
dms., l.c.l., same basis lb. .62½- .67½
Methyl testosterone, USP, 100-gram bots gram. No Prices.
2-Methyl-5-vinyl pyridine, 40-dm. lots or more, f.o.b. works lb. 1.30 - —
5-39 dm. lots, same basis lb. 1.35 - —
tanks, same basis lb. 1.25 - —
Methyl violet toner, molybdated, PMA, bbls., dlvd. E. of Rockies lb. 2.80 - —
Tungstated, PTMA, bbls., same basis lb. 4.35 - —
Methyl violet prices 1c. higher W. of Rockies.
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 - —
Methylene chloride, tech., straight or assorted, dms., c.l., or t.l., dlvd lb. .13½- —
dms., l.c.l., l.t.l., dlvd lb. .15¾- —
tanks, 4,000-gal. min., dlvd lb. .12¼- —
tanktrucks, 1,000-gal. min., dlvd. lb. .13¼- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb .90 - —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-phenyl-3-methyl-pyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04 - —
roofing, 20 to 80 mesh, works lb. .03 - —
wet-grd., biotite, bgs., c.l., works, frt. alld.E lb. .06½- —
bgs., l.c.l., ex-whse. lb. .07¼- —
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E. lb. .03¼- —
bgs., l.c.l., ex-whse or freight alld. E lb. .09 - —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E lb. .03 - —
bgs., l.c.l., ex-whse, or frt. alld. E lb. .03¼- —
wallpaper, bgs., c.l., works, frt. alld.E lb. .03¼- —
bgs., ex-whse. or frt. alld. E. lb. .09 - —
white, 5-10 microns, bgs., c.l., works, frt. alld. E lb. .06¼- —
Mica, wet-grd. W. of Miss. ½c. higher; W. of Rockies 1c. higher.
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 - .11
laminating grades, tankcars, works lb. .11 - .12
Mineral black, bgs., works lb. .0160- .0673
Mineral oil, white, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. refy gal. .65 - —
50-65 vis., non-ret. dms., l.c.l., basis gal. .70 - —
tankscars, refy. gal. .49 - —
65-75 vis., non-ret. dms., c.l., same basis gal. .65 - —
non-ret. dms., l.c.l., same basis gal. .70 - —
tankcars, refy. gal. .49 - —
NF, 80-90% vis., non-ret. dms., c.l., same basis gal. .66 - —
non-ret. dms., l.c.l., same basis gal. .71 - —
tankcars, refy. gal. .50 - —
NF, 135-138 vis., non-ret. dms., c.l., same basis gal. .72 - —
Mineral oil, white, NF, 135-138 vis., non-ret. dms., l.c.l., same basis gal. .77 - —
tankcars, rfy. gal. .56 - —
NF, 145-155 vis., non-ret. dms., c.l., same basis gal. .78 - —
non-ret. dms., l.c.l., same basis gal. .83 - —
tankcars, refy. gal. .62 - —
Mineral oil, white, USP, 180-190 vis., non-ret. dms., c.l., same basis gal. .80½- —
non-ret. dms., l.c.l., same basis gal. .85½- —
tankcars, refy. gal. .64½- —
USP, 200-210 vis., non-ret. dms., c.l., f.o.b. refy. gal. .82½- —
non-ret. dms., l.c.l. gal. .87½- —
tankcars, refy gal. .66½- —
USP, 340-350 vis., non-ret. dms., c.l., f.o.b. refy. gal. .87½- —
non-ret. dms., l.c.l. gal. .92½- —
tankcars, refy. gal. .71½- —

(For f.o.b N. Y. add 2c. for tankcars; 2c. for c.l., and 3c. for l.c.l. non-ret. dms.).

Mineral orange, American, bbls., c.l., works lb. .1550- —
bbls., c.l., same basis lb. .1650- —
Mineral spirits, petroleum, odorless, tankcars, New Jersey gal. .29 - —
New York gal. .305 - —
Houston, Texas gal. .25 - —
regular, tankcars, New Jersey and New York gal. .18 - —
Group 3 gal. .12875- —
Houston, Texas gal. .145 - —
140 F. flash, New York, New Jersey at terminal gal. .205 - —
Houston, Texas gal. .17 - —
Mink oil, dms. lb. 2.75 - —
Mirbane oil (see Nitrobenzene).
MNPT maroon toner, kgs., c.l., works lb. 6.30 - —
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .06¼- .06¾
tanks, New York gal. .13½- —
Molybdated orange, bbls. lb. .49 - —
Molybdenum metal, powd., 80 or 200 mesh, ctns., works kilo. 7.84 - —
325 mesh, ctns., works kilo. 9.13 - —
Molybdenum trioxide, purif., dms., works lb. 1.15 - —
Tech., chemical, dms., works, basis Mo content lb. 1.48 - —
Tech., metallurgical, dms., works, basis Mo. content lb. 1.47 - —
Molybdic acid, 85%, dms., works. lb. 1.05 - 1.13
Monoallylamine, dms., c.l., dlvd lb. .965 - —
dms., c.l., dlvd. lb. .995 - —
tanks, dlvd. lb. .96 - —



There is no other solvent for acrylic coatings like CSC's 2-Nitropropane. It possesses the properties that eliminate many of the undesirable shortcomings presently encountered with other acrylic solvents. No offense intended to our competition but the facts support the claim. Here they are:

2-NP has an ideal evaporation rate for spray application. It's greatly superior to MIBK with an evaporation rate of 110 versus 186!

2-NP reduces cobwebbing and overspray.

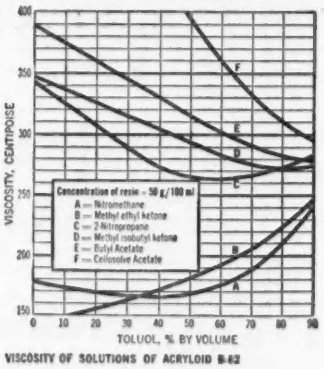
Solutions have good film-forming properties and gloss.

2-NP is comparable to MEK and superior to MIBK, n-Butyl acetate and "Cellosolve" acetate in cutting time.

2-NP, with aromatics, gives lower solution viscosities than most commonly used solvents.

The chart shows the excellent solvency characteristics of 2-NP-Toluol blends for the resin B-82.

2-NP is your best solvent buy for Acrylics ... Technical Bulletin No. 8 proves it! Write for your free copy—mail coupon today.


VISCOSITY, CENTIPOISE
TOLUOL, % BY VOLUME
Concentration of resin = 50 g./100 ml.
A = Nitromethane
B = Methyl ethyl ketone
C = 2-Nitropropane
D = Methyl isobutyl ketone
E = Butyl Acetate
F = Cellosolve Acetate
VISCOSITY OF SOLUTIONS OF ACRYLOID B-82

INDUSTRIAL CHEMICALS DEPARTMENT
COMMERCIAL SOLVENTS CORPORATION
260 MADISON AVENUE, NEW YORK 16, N.Y.

Please send me, without obligation, Technical Bulletin No. 8

Name_____ Title_____

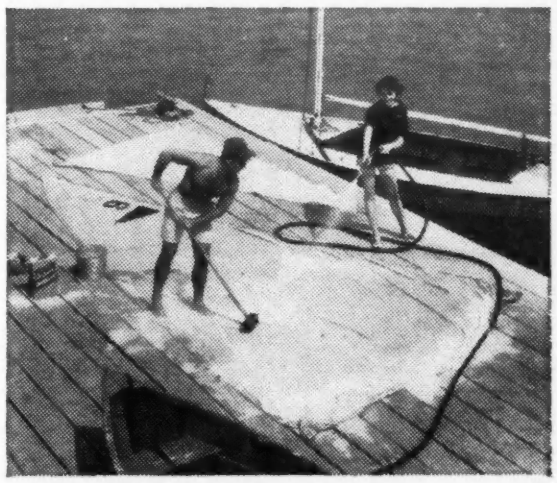
Company_____ Street_____

City_____ Zone____ State_____

Monobutylamine, dms., c.l., dlvd. E. of Rockies	lb.	.57½- —
dms., l.c.l., same basis	lb.	.59 • —
tanks, same basis	lb.	.55 • —
Mono-tert-butyl-m-cresol, dms., c.l., works	lb.	.55 • —
dms., l.c.l., works	lb.	.56 • —
tanks, works	lb.	.54 • —
Mono-tert-butyl-m-cresol, dms., c.l., works	lb.	.55 • —
dms., l.c.l., works	lb.	.56 • —
tanks, works	lb.	.54 • —
Monochloracetic acid, purif. (see Chloroacetic acid, mono).		
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E	lb.	.10½- —
dms., l.c.l., same basis	lb.	.11½- —
tanks, same basis	lb.	.08¾- —
Monoethanalamine, dms., c.l., dlvd. E	lb.	.27½- —
dms., l.c.l., same basis	lb.	.29 • —
tanks, same basis	lb.	.25 • —
Monoethylalphanaphthylamine (see		
Monoethylamine, 70% aqueous, solution, dms., c.l., dlvd. E, 100% basis	lb.	.38½- —
dms., l.c.l., dlvd. E., 100% basis	lb.	.40 • —
tanks, dlvd. E., 100% basis	lb.	.35 • —
Monoethylaniline (see N-Ethylaniline).		
Monoethylorthotoluidine (see N-Ethyl-o-toluidine).		
Monoisopropanolamine, dms., c.l., dlvd. E	lb.	.27½- —
dms., l.c.l., same basis	lb.	.29 • —
tanks, same basis	lb.	.25 • —
Monoisopropylamine, anhyd., dms., c.l., dlvd	lb.	.33½- —
dms., l.c.l., same basis	lb.	.35 • —
tanks, same basis	lb.	.31 • —
Monomethylamine, anhyd., cyls., l.c.l., frt. equald., 100% basis	lb.	.30 • —
tanks, 100% basis	lb.	.26 • —
30-35% soln., dms., c.l., frt. equald., 100% basis	lb.	.36 • —
Monomethylamine, 30-35% soln., dms., l.c.l., frt. equald, 100% basis	lb.	.36½- —
tanks, frt. equald., 100% basis	lb.	.26 • —
40% soln., dms., frt. equald., 100% basis	lb.	.33 • —
dms., l.c.l., frt. equald., 100% basis	lb.	.33½- —
tanks, frt. equald, 100% basis	lb.	.26 • —
Monopentaerythritol, tech., bgs., c.l., dlvd. E	lb.	.31 • —
bgs., l.c.l., dlvd. E	lb.	.32 • —
Monopotassium glutamate, dms., 1,000-lb. lots, frt. alld	lb.	3.05 • —
dms., 100-lb. lots, same basis	lb.	3.25 • —
Monosodium glutamate, dms., dlvd.	lb.	1.07 • 1.15
Monosodium phosphate (see sodium phosphate, monobasic).		
Montan wax, Calif., refd., bgs	lb.	.27 • .28
Imp., crude, Bohemian, bgs	lb.	.21 • .22
German, bgs	lb.	.26 • .27
Morphine, cns., 100-oz., f.o.b. works.	oz.	12.35 • —
Morphine hydrobromide, cns., 100-oz., f.o.b. works	oz.	9.90 • —
Morphine hydrochloride, NF, cns., 100-oz., f.o.b. works	oz.	9.90 • —
Morphine sulfate, USP, cns., 100-oz., f.o.b. works	oz.	9.90 • —
Morpholine, dms., c.l., dlvd. E	lb.	.55¼- —
dms., l.c.l., dlvd. E	lb.	.56¼- —
tanks, dlvd. E	lb.	.52¾- —
Muriatic acid (see Hydrochloric acid).		
Musk, syn., ambrette, fib. dms., 100-lb. lots	lb.	4.40 • 4.90
cns., 25-lb. lots	lb.	4.50 • 5.00
Ketone, fib. dms., 100-lb. lots	lb.	4.60 • 5.10
cns., 25-lb. lots	lb.	4.70 • 5.20
Xylol, fib. dms., 100-lb. lots	lb.	1.26 • —
cns., 25-lb. lots	lb.	1.40 • —
Mustard seed, Danish, yellow, bgs.	lb.	.11½- —
Montana, yellow, bgs	lb.	.10½- —
Oriental, bgs	lb.	.06 • —
Mustard, oil, syn., bots	lb.	1.60 • 1.85
Myristic acid, bgs.	lb.	.30 • .32½
tanks	lb.	.29 • —
Myrrh gum, cs	lb.	.65 • .75

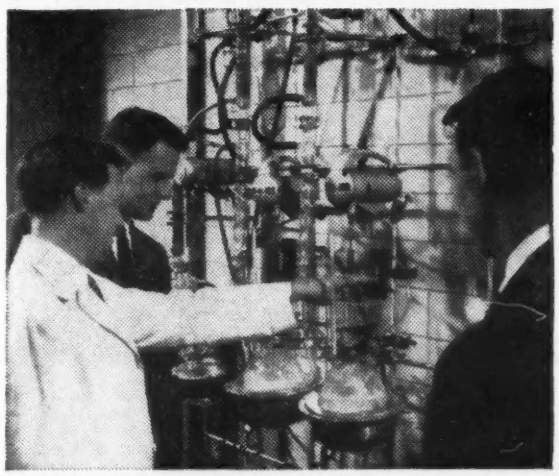
N

Naphtha, high solvency (see Solvent naphtha, petroleum).		
Naphtha, petroleum, cleaner's (see Cleaner's naphtha).		
Naphtha, VM&P, petroleum, tank-cars, New Jersey and New York	gal.	.19 • —
Group 3	gal.	.13875- —
Houston, Texas	gal.	.155 • —
Naphthalene, crude, dom., 78°, tanks, frt. equald	lb.	.05 • .06
imp., 78°, bgs., large lots	lb.	.09½ Nom.
Refd., indust., chipped, crushed, bgs., frt. equald	lb.	.12½- —
tanks, same basis	lb.	.09¾- .10¼
Naphthalene, refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis.	lb.	.15½- —
cs., 50 lbs., c.l., same basis.	lb.	.15¾- —
1-lb. pkgs., c.l., same basis.	lb.	.18½- —
a-Naphthol, dms., frt. alld.	lb.	1.00 • —
b-Naphthol, tech., flake, bbls., c.l., works	lb.	.34 • —
bbls., l.c.l., works	lb.	.36 • —
Naphthol, ITR, red toner, bbls., works	lb.	5.00 • —
1-Naphthol-3,6-disulfonic 8-amino acid (see H acid).		
2-Naphthol-4 sulfonic acid (see Neville and Winther's acid).		
1-Naphthol-5-sulfonic acid (see L acid).		
1-Naphthol-5-sulfonic 8-amino acid (see S acid).		
2-Naphthol-6,8-disulfonic acid (see Gamma acid).		
Naphthol sulfonic mixed acid (see Cleve's acid).		
a-Naphthylamine, dms., frt. alld	lb.	.50 • —
b-Naphthylamine, tech., flake, bbls., works	lb.	1.60 • —
1-Naphthylamine-5-sulfonic acid (see Laurent's acid).		
2-Naphthylamine-4,8-disulfonic acid (see Cassella acid).		
2-Naphthylamine-1-sulfonic acid (see Tobias acid).		
2-Naphthylamine-6-sulfonic acid (see Broenner's acid).		
2-Naphthylamine-7-sulfonic acid (see F acid).		
Naringin, fib. dms.	lb.	8.50 • —
Neatsfoot oil, 15° cold test, dms.	lb.	.29 Nom.
20° cold test, dms.	lb.	.28 Nom.
30° cold test, dms.	lb.	.27 Nom.
Neocinchophen, USP, dms., frt. adjusted	lb.	7.00 • 8.00
Neomycin sulfate, fib. dms., 1-kilo basis activity	gram.	.23 • —
fib. dms., 100-999-gram lots, basis activity	gram.	.30 • —
Tech., fib. dms.	gram.	.13½- —
Neopentylglycol, dms., c.l., dlvd.	lb.	.32 • —
dms., l.c.l., same basis	lb.	.33 • —
Nerol, dms.	lb.	4.75 • —
Neroli oil, NF, French, bots	lb.	425.00 -575.00
Tunisian, bots.	lb.	400.00 - —
Nerolin, cns.	lb.	2.45 • 2.85
Neville and Winther's acid, dms., frt. alld	lb.	1.30 • —
Niacinamide (see Nicotinamide).		
Nickel acetate, bbls., dlvd.	lb.	.68½- .75½
Nickel carbonate, bbls., dlvd	lb.	78¼- .85¼
Nickel chloride, bbls., dlvd.	lb.	.37 • .43
Nickel formate, bbls., ton lots, frt. alld	lb.	.72 • .73
Nickel metal, electro cathodes, cs., works	lb	.74 • —
Nickel nitrate, dms., frt. alld	lb.	.31½- .33½
Nickel oxide, black, bbls.	lb.	.85 • —
Green, bbls.	lb.	.84 • —
Nickel sulfate, bgs., c.l., dlvd	lb.	.28 • —
bgs., l.c.l., dlvd.	lb.	.28½- .36
Nicotinamide, USP, 50-kilo., dms., 100 kilos., dlvd. kilo.		6.50 • —
dms., less than 100 kilos, dlvd. kilo.		6.60 • 7.00
Nicotine sulfate, 40%, dealers, 50-lb. dms. frt. alld	lb.	1.20 • —
40%, manufacturers, 500-lb. dms., frt. alld.	lb.	1.05 • —
Nicotinic amide, USP (see Nicotinamide).		
Niger seed, bgs.	lb.	.10¼- —
Nikethamide, cbys.	lb.	5.00 • —
Nitric acid, 36° Be., cbys., c.l., works E	100 lbs.	5.75 • —
cbys., l.c.l., works E	100 lbs.	6.05 • 6.85
38° Be., cbys., c.l., works E.	100 lbs.	6.25 • —
cbys., l.c.l., works E	100 lbs.	6.55 • 7.35
40° Be., cbys., c.l., works E.	100 lbs.	6.75 • —
cbys., l.c.l., works E	100 lbs.	7.03 • 7.85
42° Be., cbys., c.l., works E.	100 lbs.	7.25 • —
cbys., l.c.l., works E	100 lbs.	7.55 • 8.35
58.5 to 68%, HNO_3, tanks, works, 100% basis	100 lbs.	3.90 • —
94½ to 95½% HNO_3, tanks, works, 100% basis	100 lbs.	4.90 • —
CP, NF, consumer, cbys., extra, c.l., works	lb.	.18½- —
cbys., extra, l.c.l., works.	lb.	.20 • —
5-pint bots., extra, cs., c.l., same basis	lb.	.22½- —
5-pint bots., extra, cs., l.c.l., same basis	lb.	.24 • .25
dms., frt. alld	lb.	.99 • —
m-Nitroaniline, cryst., dms., frt. alld	lb.	1.15 • —
Paste, dms., frt. alld., 100% basis.	lb.	1.10 • —
o-Nitroaniline, flaked, dms., t.l., frt. alld	lb.	.49 • —
dms., l.t.l., frt. alld.	lb.	.51 • —
o-Nitroaniline orange toner, kgs.	lb.	1.35 • —
p-Nitroaniline, dms., frt. alld	lb.	.445 • —
o-Nitroanisole, tech., tanks, frt. alld.	lb.	.36 • —
p-Nitroanisole, tech., solid, dms., frt. alld	lb.	.72 • —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld	lb.	.13 • —
dms., l.c.l., frt. alld.	lb.	.14 • —
tanks, frt. alld.	lb.	.11 • —
p-Nitrobenzoic acid, dms., c.l., works	lb.	.63 • —
4-Nitro-2-aminophenol, tech., paste, dms., l.c.l., works	lb.	.64 • —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175 seconds, bbls., c.l., works	lb.	.37½- —
bbls., l.c.l., same basis	lb.	.33½- .40¼
18-20, cps., bbls., c.l., same basis	lb.	.39½- —
bbls., l.c.l., same basis	lb.	.40½- .42½
250-400, 600-1,000 seconds, bbls., l.c.l., same basis	lb.	.43 • .46
Nitrocellulose, spirit soluble, 30-35 cps., ¼, ½ seconds, bbls., c.l., same basis	lb.	.43 • —
bbls., l.c.l., same basis	lb.	.44 • .46
5-6 cps., 40-60 seconds, bbls., c.l., same basis	lb.	.42 • —
bbls., l.c.l., same basis	lb.	.43 • .45
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.		
o-Nitrochlorobenzene, dms., c.l., frt. alld	lb.	.15 • —
dms., l.c.l., same basis	lb.	.16 • —
tanks, same basis	lb.	.13 • —



ENJAY OLEFINS—Enjay markets tetrapropylene, tripropylene and nonene. These chemicals fulfill the most rigid requirements as raw materials for anionic and nonionic detergents. Uniform purity and high quality contribute to the modern detergent's ability to get hard-to-wash surfaces cleaner.

TRIDECYL ALCOHOL—Water soluble nonionic surface active agents formed by the reaction of tridecyl alcohol with ethylene oxide are extremely well suited for use as household detergents. Surfactants made with tridecyl alcohol help increase penetrating power and loosen dirt.



TECHNICAL ASSISTANCE—At the Enjay laboratories, expert technical assistance and the latest testing facilities are available. Here, Enjay technical personnel can help you develop new products and improve existing ones.

QUICK SHIPMENTS—Shipments are made from conveniently located plant and storage facilities. Surfactant manufacturers are assured of prompt delivery and high uniform product quality when they order from Enjay.

HOW ENJAY SERVES...the surfactants industry

Enjay offers the surfactants industry the following high quality materials for all types of detergents, wetting agents, emulsifiers, sanitizers and foam control agents: Tetrapropylene • Tripropylene • Nonene • Tridecyl Alcohol • Decyl Alcohol • Isooctyl Alcohol • Isopropyl Alcohol • Benzene. For technical assistance or to order Enjay chemicals contact the nearest Enjay office.

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EXCITING NEW PRODUCTS THROUGH PETRO-CHEMISTRY

ENJAY CHEMICAL COMPANY

A DIVISION OF HUMBLE OIL & REFINING COMPANY

ENJAY PETROCHEMICALS

p-Nitrochlorobenzene—Paraphenetidine

p-Nitrochlorobenzene, dms. ..... lb. .26 - .27
2-Nitro-p-cresol, tech., dms., dlvd lb. .93 - —
Nitroethane, dms., c.l., dlvd. E.. lb. .25 - —
dms., l.c.l., dlvd. E..... lb. .26½- —
tanks, dlvd. E. ..... lb. .22½- —
Nitroethane prices West of Rockies are 1c. higher.
Nitrogen solutions, tanks, frt. equald. N unit. 1.28 - —
Nitrogen tetroxide, indust., tankcars, f.o.b. Hopewell, Va lb. .065 - —
Cyls., t.l., min. 5 tons, same basis lb. .07½- —
Cyls., l.c.l., l.t.l., same basis lb. .15 - —
Nitrogenous process tankage, bulk, works unit-ton. 4.50 - 5.00
Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works. unit-ton. 3.50 - .50
Nitromethane, dms., t.l., dlvd. E lb. .25 - —
dms., l.t.l., dlvd. E ..... lb. .26½- —
Nitromethane prices West of Rockies are 1c higher.
a-Nitronaphthalene, bbls., frt. alld. lb. .31 - —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., c.l., frt. alld. lb. .45 - —
dms., l.c.l., frt. alld ..... lb. .47 - —
2-Nitropropane, dms., c.l., frt. alld. E. of Rockies lb. .23½- —
dms., l.c.l., same basis..... lb. .25 - —
tanks, same basis..... lb. .21 - —
2-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .18½- —
dms., l.c.l., same basis..... lb. .20 - —
tanks, same basis..... lb. .16 - —
Nitropropane prices West of Rockies are 1c. per lb. higher.
m-Nitrotoluene, tech., dms., frt. alld. lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. alld lb .15 - —
dms., l.c.l., frt alld. ..... lb. 16 - —
tanks, frt. alld. ..... lb. .13 - —
p-Nitrotoluene, tech., cast, dms., c.l., works lb. .27½- —
dms., l.c.l., works ..... lb. .28 - —
flake, dms., c.l., t.l., works. lb. .27½- —
dms., l.c.l., works..... lb. .28 - —
m-Nitro-p-toluidine, dms. ..... lb. 1.25 - —
Nonylphenol, dms., c.l, frt. alld. lb. .22 - —
dms., l.c.l., frt. alld..... lb. .23 - —
tanks, frt. alld. ..... lb. .19½- —
Nonylphenol prices on shipments to Western States are 2c. higher.
Nutmegs, East Indian, whole, bgs. lb. 1.36 - —
West Indian, bgs. ..... lb. 1.45 - —
Nutmeg oil, USP, dist., East Indian, cns lb. 9.00 -12.00
West Indian, cns. ..... lb. 9.00 -12.00
Nux vomica, bls. ..... lb. .20 - —
Powd., bbls., bxs. ..... lb. .20 - .22

O

Ocher (see Iron oxide yellow, nat.).
Ocotea cymbarum oil, dms.....lb. .48 - .55
Octane, indust., tanks, Bayonne, N.J...gal. .20 - —
Borger, Tex. ..... gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd., Zone 1 lb. .43½- —
dms., l.c.l., dlvd. Zone 1—lb. .45½- —
tanks, dlvd., Zone 1..... lb. .41 - —
Octyl alcohol, perfumers grade, bots. lb. 1.60 - 3.25
Octyl alcohol, tech, (see 1-Octanol, tech).
tert-Octylamine, dms., c.l., t.l., f.o.b. works lb. .54½- —
dms., l.c.l., same basis..... lb. .55 - —
Octyl phenol, bgs., c.l., works lb. .22 - —
bgs., l.c.l., works..... lb. .22½- —
tanks, works..... lb. .21 - —
Octyl phenol in dms., 1lc. higher.

OILS

Oil quotations are listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

Oiticica oil, liq., dms. ..... lb. .16 - .16½
tanks ..... lb. .14 - —
Oleic acid, dbl.-dist. (white), dms. lb. .17½- .20
tanks ..... lb. .15 - —
S.d., dms. ..... lb. .16¼- .18¾
tanks ..... lb. .13¾- —
Oleo oil, extra, dms..... lb .14½- .15
Oleostearine, dms. ..... lb. .12½- .12¾
Oleum (see Sulfuric acid, fuming).
Olibanum gum, siftings, cs..... lb. .15 - .20
Tears, cs. ..... lb. .22 - .30
Olibanum oil, bots..... lb. 5.00 - 7.65
Extra fine, bots ..... lb. 8.00 - 9.50
Olive oil, edible, dms., spot, duty-paid..gal. 2.35 - 2.45
Olivine, crude, works..... ton.12.00 - —
20 mesh, works..... ton.15.00 - —
100 mesh works..... ton.20.00 - —
Opium, USP, cns., 25-lbs., f.o.b. works..oz.19.20 - —
gran., cns., 50 lbs., same basis. oz.21.65 - —
powd., cns., 50 lbs., same basis. oz.21.65 - —
Orange oil, sweet distilled, Calif., cns., dms. lb. .60 - —
Florida, cns., dms ..... lb. .35 - —
Expressed, Calif., cns., dms ... lb. .70 - .90
Florida, cns., dms ..... lb. .45 - .50
Messina, cns. ..... lb. 3.25 - 5.00
West Indian, bitter, cns., dms. lb. 2.50 - 3.25
Orange peel, bitter, Haitian, bls lb. .18 - .20
Sweet ..... lb. .28 - .30
Origanum oil, Spanish, cns.....lb. 1.80 - 2.30

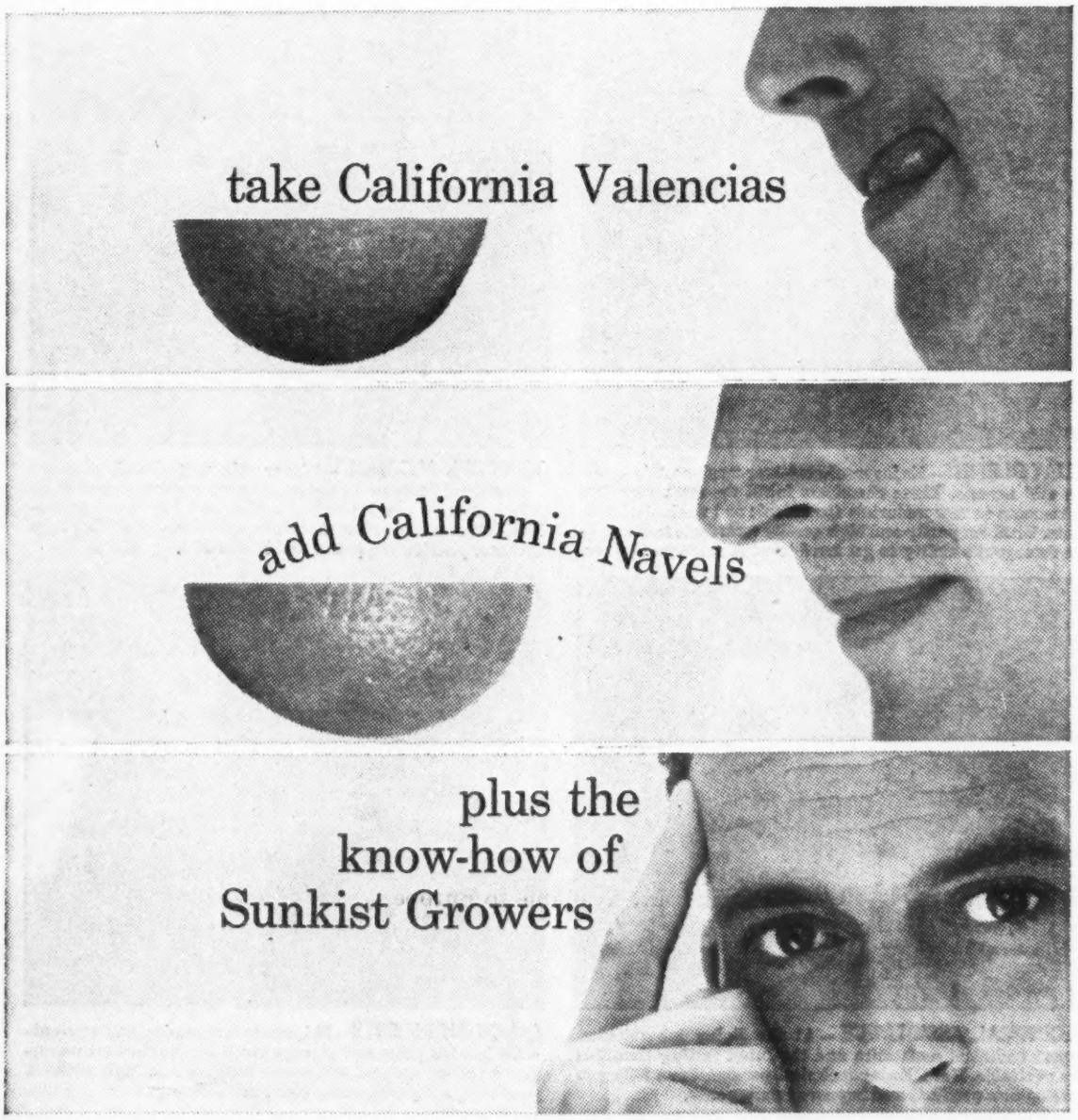
ORANGE PIGMENTS

Orange pigment quotations are listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.

Orris root, Florentine, bls..... lb. .55 - —
powd., bbls., bxs..... lb. .65 - —
Verona, bls ..... lb. .35 - —
powd., bbls., bxs ..... lb. .45 - —
Orthoanisidine (see o-Anisidine).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid (see o-Chlorobenzoic acid).
Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthocresotinic acid (see 2,3-Creosotic acid).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary amylphenol (see o-tert-Amylphenol).
Orthotolidine (see o-Tolidine base).
Orthotoluidine (see o-Toluidine).
Ouabain, USP, bots.....gram. 3.00 - 4.00
Ouricury wax, crude, bgs..... lb. .56 - .58
Refd., pure, bgs ..... lb. .64 - .66
Oxalic acid, bgs., dms., c.l., works. lb. .18 - .18½
bgs., dms., 10,000-lb. lots, works. lb. .18¼- .18¾
bgs., dms., smaller lots, works. lb. .19¼- .19¾
b-Oxynaphthoic acid, pigment manufacture, dms., frt. alld..lb. .912 - —
Dyestuff manufacture, dms., same basis .lb. 1.03 - 1.14
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.75 - 5.00
cns., smaller lots, works..... lb. 4.92 - 5.17

P

Palm oil, clarif., dms. ..... lb. .14 - .15
tanks ..... lb. .11?0- —
Palm oil acid, dist., dms. ..... lb. .15¾- .19¼
tanks ..... lb. .13¾- .14¼
Palmarosa oil, cns. ..... lb. 4.45 - 6.00
Papain, powd., bots. ..... lb. 5.50 -10.00
Papaverine hydrochloride, nat. or syn., USP, cns., 25-oz. to 100-oz. lots..oz. 5.00 - —
cns., smaller lots ..... oz. 5.05 - 5.20
Papaverine sulfate, nat. or syn., USP, cns..oz. 7.10 - 7.35
Paprika, Bulgarian, bgs. ..... lb. .25 - —
Hungarian, bgs. ..... lb. .29 - —
Spanish, bgs. ..... lb. .38 - —
Yugoslavian, bgs. ..... lb. .29 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid).
Parachlorobenzoic acid (see p-Chlorobenzoic acid).
Paramethylphenylcinchonic acid (see Neocinchophen).
Paranitrobenzoic acid (see p-Nitrobenzoic acid).
Paratoluidinemetasulfonic acid (see p-Toluidine-m-sulfonic acid).
Para-aminophenol (see p-Aminophenol).
Parachloro-orthonitroaniline (see 4-Chloro-2 nitroaniline).
Para-anisidin (see p-Ansidine).
Parachloraniline (see p-Chloraniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls. ..... lb. 1.21 - —
Chlorinated, kgs. ..... lb. 1.36 - —
Paraffin, crude, scale, white, 123°-127°F., ASTM, tanks, refy. lb. .0655- —
Paraffin, fully refd., 122°-124°F., ASTM, tanks, refy lb. .0765- —
125°-127°F., ASTM, tanks, refy. lb. .0765- —
130°-132°F., ASTM, tanks, refy. lb. .0765- —
132°-134°F., ASTM, tanks, refy. lb. .0765- —
135°-137°F., ASTM, tanks, refy. lb. .0765- —
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraffin oil, pale, 100-110 vis., at 100°F., tanks east coast refy..gal. .14 - —
Paraffin wax (see Paraffin).
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld..lb. .10 - —
bgs., l.c.l., frt. alld ..... lb. .12 - .13
91%, powd., bgs., c.l., ex whse.lb. .1715- —
bgs., l.c.l., ex whse..... lb. .1865- —
USP-X, fib. dms., c.l. ..... lb. .19 - —
fib. dms., 1,000-lb. lots ..... lb. .20 - —
fib. dms., smaller lots ..... lb. .21½- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd. lb. .14 - —
55-gal. dms., l.c.l., dlvd... lb. .15 - —
tanks, dlvd. ..... lb. .11½- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene).
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).



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It takes just the right proportion of the rich oil of flavorful California Valencias ...plus the aromatic oils of deep-colored navels...*and* the unmatched experience and skill of the Sunkist Growers in citrus product manufacture, to produce the best orange oil for you—Exchange Brand, U.S.P.

Precisely blended...identical in quality and strength, batch after batch... Exchange Brand Orange Oil is insurance that your products will maintain superiority batch after batch, year after year.

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Ungerer & Company, Inc.
161 Avenue of the Americas, New York 13, N.Y.
Inquiries from countries other than U.S. and Canada should be directed to Sunkist Growers, Products Sales Department.

Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, ethyl, dms., frt. alld lb. .84 - —
Parathion prices 2c. per lb. higher in West.
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld lb. .45 - —
Passion flower herb, bls. lb. .45 - .50
Patchouli oil, imp., ens. lb. 5.50 - 6.50
Peach kernel oil, USP (see Apricot kernel oil).
Peacock blue, fugitive, 100% color strength, 250-lb. bbls., dlvd. E. of Rockies lb. 1.00 - —
Peacock blue price 1c. higher W. of Rockies.
Peanut meal, 45%, bgs., f.o.b. mills ton 49.50 -52.00
Peanut oil, crude, tanks, f.o.b. mill lb. .16 - —
Refd., dms. lb. .21¼- .21½
tanks lb. .19¼- —
Pecan, dom., NF, citrus, powd., bbls. lb. 2.05 - 2.06
Dom., tech., powd., 150 jelly grade, bbls lb. 1.28 - —
Imp., Danish, bbls., ex whse lb. 1.28 - —
Pelargonic acid, dms., c.l., dlvd lb. .25 - —
ton lots, same basis lb. .27½- —
tanks, same basis lb. .23½- —
Penicillin, potassium, cryst., bulk, 1,000,000 units. .021 - —
Penicillin, procaine, cryst., bulk, 1,000,000 units. .023 - —
Pennyroyal oil, USP, imported, ens. lb. 1.95 - 2.25
Pentachlorophenol, bgs., c.l., t.l., works, frt. equald lb. .21 - —
bgs., l.c.l., same basis lb. .22½- .29
Pentachlorophenol in dms. 1c. higher.
Pentaerythritol, tech., bgs., c.l., dlvd lb. .31 - —
bgs., l.c.l., dlvd. lb. .32 - —
Pentaerythritol, di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, indust., tanks, Tex. refy. gal. .14 - —
Pentobarbital, dms., 100 lbs. or more lb. 6.00 - —
Pepper, black, Malabar, bgs. lb. .57 - —
Lampong, bgs. lb. .57 - —
Red, Funtuas, bgs. lb. .32 - —
Japanese, Hontoka, bgs. lb. .37½- —
Santaka, bgs. lb. .31½- —
Sudanese, bgs. lb. .36 - —
White, Muntok, bgs. lb. .77 - —
Peppermint leaves, dom., USP, bls., dms lb. .70 - .75
Imp., USP, bls. lb. .85 - —
Peppermint oil, nat., dms. lb. 4.00 - 4.60
Redist., USP, dms. lb. 4.25 - 5.25
Perchloroethylene, dms., c.l., or t.l., dlvd lb. .13½- —
dms., l.c.l., dlvd. lb. .15¼- —
tanks, dlvd. lb. .11¾- —
tanktruck, 1,000 gal. min. dlvd lb. .12¼- —
Peri acid, dry, bbls., frt. alld lb. 1.60 - —
Paste, bbls., frt. alld lb. 1.55 - —
Peru balsam, dms. lb. 1.10 - 1.50
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil, South American, ens., dms lb. 2.50 - 3.25
Petrolatum, cream, dms., c.l., refy. lb. .08125- —
dms., l.c.l., dlvd. lb. .10125- .11375
tanks, refy. lb. .05875- —
Extra amber, dms., c.l., refy lb. .07125- —
dms., l.c.l., dlvd. lb. .09125- .10375
tanks, refy. lb. .04875- —
Petrolatum, lily white, dms., c.l., refy lb. .03625- —
dms., l.c.l., dlvd. lb. .10625- .12
tanks, refy. lb. .06735- —
USP, snow white, dms., c.l., refy. lb. .09125- —
dms., l.c.l., dlvd lb. .11125- .125
tanks, refy. lb. .06875- —
Petrolatum, USP, soft yellow, dms., c.l., refy lb. .07125- —
dms., l.c.l., dlvd. lb. .09[illegible] - .10375
tanks, refy. lb. .04875- —
Petroleum pitch (see Asphalt, petroleum).

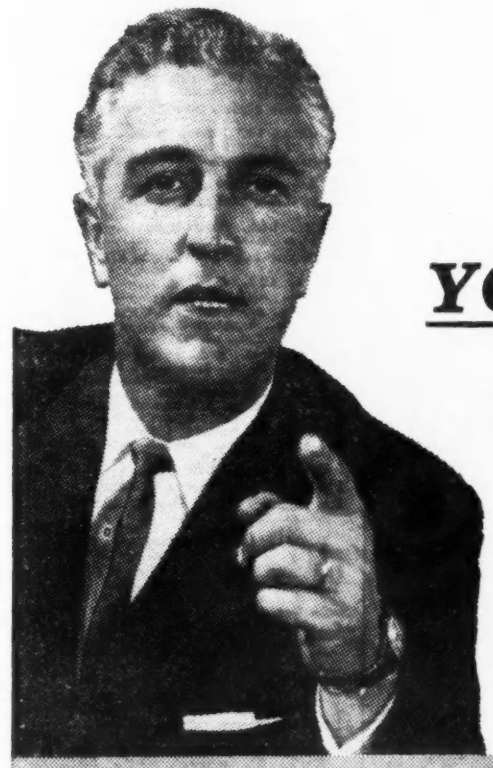
PETROLEUM PRODUCTS
Petroleum product quotations are listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works. lb. .16½- .18¾
non-ret. dms., l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
50-55%, sulfuric content, non-ret. dms., c.l., works lb. .16 - —
non-ret. dms., l.c.l., works lb. .17 - —
tanks, works lb. .13 - —
o-Phenetidine, dms., c.l., frt. alld. E lb .91 - —
dms., l.c.l., same basis lb. .93 - —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.05 - —
dms., same basis lb. 1.08 - —
Phenobarbitol, USP, dms., 100-lbs., frt. alld lb. 3.25 - —
Phenobarbital-Sodium (see sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%), non-ret. dms., frt. alld. E. of Rockies lb. .16¾- —
non-ret. dms., l.c.l., same basis. lb. .17¾- —
tanks, same basis lb. .14¾- —
82-84% (cresol 16-18%) non-ret. dms., c.l., same basis lb. .16½- —
non-ret dms., l.c.l., same basis. lb. .17½- —
tanks, same basis lb. .14½- —
30°C., or above, tar dist., non-ret. dms., c.l., same basis lb. .18 - —
Phenol, 30°C., or above, tar dist., non-ret. dms., l.c.l., same basis. lb .19 - —
tanks, same basis lb. .16 - —
USP, syn., dms., c.l., t.l., frt. alld lb. .18½- —
dms., same basis lo. .20½- —
tanks, same basis lb. .16½- —
Phenolphthalein, USP or yellow, 250-lb. dm., 2,000 lbs., frt. alld lb. 1.30 - —
250-lb. dm., same basis lb. 1.35 - —
Phenothiazine drench, fib. dms., t.l., dlvd lb. .44 - —
fib. dms., l.t.l., same basis lb .47 - —
NF, fib. dms., t.l., same basis lb. .43 - —
fib. dms., l.t.l. same basis lb. .46 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Phenyl salicylate (see Salol).
Phenylacetaldehyde, soln., 50%, bots. lb. 2.35 - —
100%, bots. lb. 4.00 - 4.65
Phenylacetic acid, pure, cryst., ens. lb. 1.25 - 1.75
dl-Phenylalanine, dms., works lb 27.00 -37.50
l-Phenyl-3-carbethoxy pyrazolone-5, fib. dms., 200-lb. lots, dlvd. E lb. 3.45 - —
fib dms., smaller lots, dlvd. E lb. 3.80 - —

N-Phenyldiethanolamine, dms., c.l., dlvd. E lb. .41 - —
dms., l.c.l., dlvd. E. lb. .42½- —
tanks, dlvd. E. lb. .38½- —
m-Phenylenediamine, dms., frt. alld. lb. 1.10 - —
o-Phenylenediamine, coml, fib. dms, 100 to 1,000 lbs., works. lb. 1.70 - 1.80
p-Phenylenediamine, tech., dms, works lb. 1.55 - —
Phenylethanolamine, dms., c.l., works lb. .75½- —
dms., l.c.l., same basis lb. .77 - —
Phenylethyl acetate, bots. lb. 1.25 - 1.40
2-Phenylethyl alcohol, extra, dms. lb. 1.14 - 1.50
Standard, dms. lb. 1.10 - 1.60
b-Phenylethylamine, dms., 20,000 lbs. or more, frt. alld. lb. 1.50 - —
dms., smaller lots, frt. alld lb. 1.70 - 1.85
Phenylethylphenyl acetate, bots lb. 4.00 - 4.25
Phenylglyconic acid (see Mendelic acid).
Phenylhydrazine, 97%, 450-lb. dms. lb. 1.45 - —
1-Phenyl-3-methyl pyrazolone-5, fib. dms., 250-lb. lots, dlvd. E. 1.80 - —
fib. dms., smaller lots, dlvd. E lb. 2.10 - —
o-Phenylphenol, dms., l.c.l., works. lb. .48 - .50
bgs., l.c.l., works lb. .38½- —
Philippine copal gum, pale, chips, bgs lb. .23¾- .26
nubs, bgs. lb. .33¼- .37
seeds, bgs. lb. .20 Nom.
sorts, bgs. lb. .20 - .24
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
CP, bots., works lb. 17.75 - —
Tech., fib dms., works lb. 10.45 - —
Phloxin red toner (see Eosin red toner).
Phosgene, ret. cyls., works lb. .15½- —
Phosphate, defluorinated (see under D).
Phosphate rock, Curacao, Atlantic ports, New Orleans ton. 48.00 - —

Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 66-68%, b.p.l., bulk, c.l., mines. short-ton. 4.798 - —
68-70%, b.p.l., bulk, c.l., same basis short-ton. 5.148 - —
70-72%, b.p.l., bulk, c.l., same basis short-ton. 5.723 - —
74-75%, b.p.l., bulk, c.l., same basis short-ton. 6.623 - —
76-77%, b.p.l., c.l., bulk, same basis short-ton. 7.518 - —
Above Florida prices are based on fuel oil at $2.37 per bbl. and labor at $1.59.
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald 100 lbs. 7.00 - —
cbys., l.c.l., same basis 100 lbs. 7.25 - 7.75
tanks, t.w., works 100 lbs. 5.60 - —
80%, cbys., c.l., frt. equald 100 lbs. 7.85 - —
cbys., l.c.l., works 100 lbs. 8.10 - 9.35
tanks, t.w., works 100 lbs. 6.00 - —
NF, 85%, cbys., c.l., works 100 lbs. 8.50 - —
cbys., l.c.l., works 100 lbs. 8.75 - 9.00
tanks, t.w., works 100 lbs. 6.65 - —
Phosphorus, amorph., red, dms., t.l., works lb. .55 - —
dms., smaller lots, works lb. .50 - .57
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
dms., l.c.l., works, frt. equald lb. .21½- —
tanks, works, frt. equald. lb. .19 - —

Phosphorus oxychloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works lb. .15 - —
tanks, works, frt. equald lb. .12½- —
Phosphorus pentasulfide, powd., dms., c.l., works lb. .13½- —
dms., l.c.l., works lb. .14½- .15½
Solid, dms., c.l., works lb. .11½- —
dms., l.c.l., works lb. .12½- .13½
Phosphorus pentoxide, dms., c.l., works lb. .1375- .1475
dms., l.c.l., works lb. .1475- .1675
Phosphorus sesquisulfide, dms., cs., c.l., works lb. .38 - —
dms., l.c.l., works lb. .39 - .40
Phosphorus trichloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works lb. .13 - —
tanks, works lb. .12½- —
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17 - .21
bgs., l.c.l., same basis lb. .18 - .22
tanks, same basis lb. .16½- .20½
Phthalimide, 97-98%, dms., frt. alld lb. .63 - —
Phthalocyanine blue, full strength, bbls., dlvd. E. of Rockies. lb. 2.90 - —
Resinated, bbls., same basis lb. 2.75 - —
Water dispersable, bbls., same basis lb. 1.52 - —
Pythalocyanine blue prices 1c. higher W. of Rockies.



Here's why YOU should be thinking about Polyester Wood Finishes

1 Your customers are taking a long look at the better appearance and mar-resistance of polyester wood finishes—especially on furniture.

2 They know that their customers will soon be demanding the advantages of polyester finishes already available to European customers.

3 The European paint industry has outstripped the U. S. in developing polyester wood finishes to meet this challenge.

4 Some U. S. manufacturers are already using polyester wood finishes and others are completing trial runs.

5 Unsaturated polyester resins permit you to formulate oil-free surface coatings with these outstanding properties:

Resistance to chemicals and solvents
Resistance to abrasion and wear • Resistance to light and weathering
Cold check resistance • High build • Print proof

Creative Chemistry ... Your Partner in Progress RCI

RCI has POLYLITE polyester resins especially developed for wood finishes. Write today for Technical Bulletin SC-37 which will provide you with technical data and suggested formulations.

REICHHOLD

Synthetic Resins • Chemical Colors • Industrial Adhesives • Phenol • Hydrochloric Acid
Formaldehyde • Phthalic Anhydride • Maleic Anhydride • Ortho-Phenylphenol • Sodium Sulfite
Pentaerythritol • Pentachlorophenol • Sodium Pentachlorophenate • Sulfuric Acid • Methanol

REICHHOLD CHEMICALS, INC., RCI BUILDING, WHITE PLAINS, N. Y.

Phthalocyanine green toner, bbls., works lb. 3.35 - —
Resinated, bbls. lb. 3.00 - —
Water dispersable, bbls. lb. 1.71 - —
Phthalocyanine green prices 1c. higher W. of Rockies.
Phthalylsulfacetamide, fib. dms., 1-000-lb. lots or more lb. 5.00 - —
NF, fib. dms. lb. 5.20 - —
a-Picoline, dms., c.l., works, frt. equald lb. .43 - .43½
dms., l.c.l., works, frt. equald lb. .44 - —
tanks, same basis lb. .415 - —
b-Picoline, 98%, dms., t.l., works. lb. 1.05 - —
dms., l.c.l., same basis lb. 1.15 - —
tanks, same basis lb. .95 - —
b,g-Picoline, 5°C, dms., c.l., works. lb. .32½- — —
dms., l.c.l., works lb. .33 - —
g-Picoline, dms., f.o.b., works lb. 1.60 - —
tanks, t.l., same basis lb. 1.50 - —
Picric acid, NF, bbls. lb. .85 - —
Tech., bbls. lb. .44 - —
Pigment green B, kgs. lb. 1.50 - —
Pilocarpine hydrochloride, USP, bots oz. 5.25 - —
Pilocarpine nitrate, USP, bots., vials. oz. 5.15 - —
Pimento, Jamaican, bgs. lb. .68 - —
Mexican, bgs. lb. .57 - —
Pimento berry oil, NF, dms. lb. 3.75 - 9.25
Pimento leaf oil, crude, cns. lb. 2.20 - 2.60
Pine oil, dest.-dist., dms., l.c.l. works lb. .15 - —
dms., l.c.l. ex whse. New York. lb. .173 - —
Steam-dist., dms., ex whse., New York lb. .185 - —
dms., dlvd. lb. .188 - —
Pinenedle oil, Siberian (see Abies Siberoca oil).
Pinetar, retort, dms., c.l., works lb. .0611- —
dms., l.c.l., works lb. .0684- —
dms., c.l., ex whse., New York. lb. .0795- —
tanks, works lb. .0511- —
Pinetar oil, coml., dms., c.l., works. lb. .0611- —
dms., l.c.l., works lb. .0684- —
dms., c.l., ex whse., New York. lb. .0795- —
tanks, works lb. .0511- —
NF, rectified, dms., incl., l.c.l., works, South lb. .40 - —
dms., l.c.l., ex whse., New York lb. .41½- —
Pinetar oil, refd., dms., incl., l.c.l., works lb. .35 - —
dms., incl., l.c.l., ex whse, New York lb. .36½- —
Pink root, bls. lb. 1.75 - —
Piperazine, anhyd., dms., c.l., frt. alld lb. 1.80 - —
dms., l.c.l., same basis lb. 1.85 - —
Piperazine citrate, 36%, dms., 1,000 lbs. or more, frt. alld lb. 1.15 - —
Piperazine dihydrochloride, 51%, dms., 1,000 lbs. or more, frt. alld lb. 1.23 - —
Piperazine hexahydrate, 44%, dms., 1,000 lbs or more, frt. alld lb. .86 - —
dms., 200-900 lbs., frt. alld lb. .89 - —
Piperazine phosphate, 42%, dms., 1,000 lbs. or more, frt. alld lb. 1.06 - —
Piperidine, dist., 98% min., dms., c.l., t.l., frt. equald lb. 2.55 - —
Piperonyl butoxide, dms., dlvd. E lb. 4.50 - 5.05

PITCHES

Pitch quotations are listed individually For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).
Platinum metal, works oz. 81.00 -85.00
Pleurisy root, bls. lb. .45 - .50
Podophyllum resin, NF, dms. lb. 12.50 - —
Poke root, bls. lb. .19 - .22
Polymyxin, bots., bulk., 50 billion units or more 1,000,000 units. .52 - —
bulk, bots., 25-50 billion units. 1,000,000 units. .54 - —
bulk, bots., 1-25 billion units. 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .42 - —
dms., 10,000-20,000-lb. lots, works. lb. .44 - —
dms., smaller lots, works lb. .47 - .49
Polyoxyethylene sorbitan tristearate, dms., 20,000-lb. lots, works lb. .42 - —
dms., 10,000-20,000-lb. lots, works lb. .44 - —
dms., smaller lots, works lb. .47 - .49
Pontianak copal gum, chips, bgs lb. .25 - —
Nubs, bgs. lb. .37 - .40
Poppy seed, Argentine, bgs. lb. No stocks.
Dutch, bgs. lb. .22 - —
Danish, bgs. lb. .20½- —
Polish, bgs. lb. .20 - —
Turkish, bgs. lb. .17½- —
Potash, caustic, liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
dms., l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
reg., flake, 88-92%, dms., c.l., same basis 100 lbs. 9.15 - —
reg., flake, 88-92%, dms., l.c.l., same basis 100 lbs. 10.20 - —
solid, 88-92%, dms., c.l., works. 100 lbs. 8.70 - —
dms., l.c.l., works 100 lbs. 9.75 - —
Potassium acetate, NF, 200-lb. dm., f.o.b. works, E lb. .31 - —
Potassium bicarbonate, USP, gran. dms lb. .22 - —
powd., dms. lb. .24 - —
Potassium bichromate, gran., bgs., c.l., t.l., works lb. .18 - —
bgs., l.c.l., works lb. .18½- .19¾
Potassium bichromate in dms. ¾c. higher.
Potassium bitartrate, NF, gran., powd., 100-lb. bgs., c.l., frt. equald lb. .37 - —
100-lb. bgs., 5,000 lbs., 1 shipt., same basis lb. .38 - —
100-lb. bgs., smaller lots, same basis lb. .40 - —
Potassium borohydride, powd., dms., works lb. 16.00 -22.00
Pelletized potassium borohydride $1.25 per lb. higher in 1,000-lb. lots.
Potassium bromate, dms., 1,000-lb. lots or more, works lb. .50 - —
dms., smaller lots, works lb. .52 - .62
Potassium bromide, USP, gran., bbls., kgs lb. .39 - .40
Potassium carbonate, dom., NF, gran., bbls., dms lb. .20 - —
Dom., tech., powd., bbls., dms lb. .21 - .22
Dom., calcinated, bgs., c.l., works. 100 lbs. 8.50 - —
bgs., l.c.l., same basis 100 lbs. 9.55 - —
Dom., hydrated, 83-85%, bgs., c.l., works 100 lbs. 7.10 - —
bgs., l.c.l., works 100 lbs. 8.15 - —
Potassium chlorate, cryst., dms., c.l., works lb. .12¼- —
dms., l.c.l., works lb. .13½- .14½
Powd., dms., c.l., works lb. .12¾- —
dms., l.c.l., works lb. .14 - .15
works lb. .12¼- —
Potassium chlorate, NF, cryst., dms., 2,000 lbs. or more, works lb. .16¾- —
NF, gran., 25-lb. metal dms lb. .36 - —
NF, powd., dms., 2,000 lbs. or more, works lb. .17¼- —
Potassium chloride, indust., 99.9% KCL, bulk, c.l., works ton. 27.00 - —
bgs., c.l., works ton. 31.50 - —
99.3% KCL, bulk, c.l., works ton. 26.00 - —
bgs., c.l., works ton. 30.50 - —
USP, cryst., dms. lb. .20 - .22
USP, gran., dms. lb. .21 - .23
USP, powd., dms. lb. .24 - .26
Potassium chloride agricultural (see Potassium muriate).
Potassium chromate, tech., dms., works lb. .50 - .51
Potassium citrate, NF, gran., 250-lb. dms., f.o.b. works E lb. .43 - —
powd., 250-lb dms., same basis. lb. .46 - —
Potassium cyanide, dms., 20,000-lb. lots or more, works lb. .42½- —
dms., 2,000-19,999-lb. lots, works. lb. .43 - —
dms., smaller lots, works lb. .44 - .44½
Potassium dichromate (see Potassium bichromate).
Potassium ferricyanide, dms., ton lots, works lb. .50 - —
dms., smaller lots, works lb. .65 - —
Potassium ferrocyanide, dms., ton lots lb. .24½- —
dms., smaller lots lb. .29 - —
Potassium fluoborate, fib. dms., c.l., works lb. .30 - —
fib. dms., l.c.l., works lb. .31 - —
Potassium fluoride, dms., works lb. .37 - .38
Potassium gluconate, 100-lb. dm., f.o.b. works E lb. 1.67 - —
Potassium guaiacol sulfonate, NF, dms lb. 2.10 - 2.30
Potassium hydroxide, tech. (see Potash caustic).
Potassium hydroxide, USP, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .33½- .38
Potassium hypophosphite, NF, fib. dms., 1,000-lb. lots lb. 1.38 - —
Potassium iodide, USP, cryst., gran., or powd., 250-lb. dm., f.o.b. works lb. 1.40 - —
Potassium manure salt, min. 20% K_2O, bulk, c.l., works. unit-ton. .17 - .1765
Potassium metabisulfite, gran., dms., lb. .16 - —
Powd., dms. lb. .27 - —
Potassium muriate, standard, bulk, c.l., works unit-ton. .34½-.36½
bagged 60% minimum K_2O, same basis ton. 25.60 -26.80
Gran., bulk, c.l., works unit-ton. .35 - .37
bagged, 60% minimum K_2O, same basis ton. 25.90 -27.10
Inside prices apply to material contracted for prior to July 1, 1959.
Outside prices apply to material contracted for after that date but also for delivery during the current month.
Potassium nitrate, NF, cryst., bbls., 20-ton lots 100 lbs. 17.00 - —
bbls., smaller lots 100 lbs. 18.00 -19.00
gran., bgs., 20-ton lots 100 lbs. 9.50 - —
bgs., smaller lots 100 lbs. 11.00 -12.00
powd., bgs., 20-ton lots 100 lbs. 10.50 - —
bgs., smaller lots 100 lbs. 12.00 -13.00
Potassium oxalate, neutral, tech., fine gran., powd., 360-lb. dm., f.o.b. works E lb. .32 - —
Potassium pentaborate, gran., dms., c.l., works ton. 219.50 - —
dms., ton lots, ex whse ton. 311.00 - —
dms., smaller lots, ex whse ton. 316.00 - —
Powdered potassium pentaborate $10 per ton higher.
Potassium perchlorate, dms., c.l., works lb. .18½- —
dms., l.c.l., works lb. .19 - .20
Potassium permanganate, coml., kgs., works lb. .25 - .33
USP, dms., works lb. .29 - .35
Potassium persulfate, dms., c.l., works lb. .17½- —
dms., l.c.l., works lb. .18 - .21
Potassium pyrophosphate, tetrabasic, dms., works lb. .15½- .18½
Potassium prussiate red (see Potassium ferrocyanide).
Potassium prussiate yellow (see Potassium ferro-cvanide).
Potassium silicate, electrical grade, 30° Be, 1.2.0, dms., c.l., works 100 lbs. 6.50 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
Potassium silicate, electrical grade, 40.5° Be, 1:2.1, dms., c.l., works 100 lbs. 5.95 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 6.70 - —
tanks, works 100 lbs. 5.60 - —
Glass grade, bgs., c.l., works. 100 lbs. 17.20 -18.00
bgs., l.c.l., works 100 lbs. 17.80 - —
Soln., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.95 - —
dms., l.c.l., 5-dm. lots or more, works 100 lbs. 5.70 - —
tanks, works 100 lbs. 4.60 - —
Potassium silicofluoride, bgs., works. lb. .09½- .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.
Potassium stannate, dms., frt. alld. E lb. .784 - .857
Potassium sulfate, min. 50% K_2O, agricultural, bulk, c.l., works unit-ton. .67½- .69½
Inside price applies to tonnage contracted for prior to July 1, 1959.
Outside price applies to tonnage contracted for after that date but also for delivery during the current month.
Potassium sulfate, NF VII, cryst., dms., lb. .31 - .33
NF VII, gran., dms lb. .18½- —
NF VII, powd., dms lb. .16 - .17
Potassium sulfocyanate, NF, cryst., (see Potassium thiocyanate).
Potassium thiocyanate, NF, cryst., dms., works lb. .96 - .98
Tech., dms., works lb. .77 - .79
Potassium titanate, ctns., c.l., works. lb. .16¼- —
ctns., 5-ton lots, works lb. .16½- —
ctns., 1-ton lots or less, works lb. .16¾- —
Potassium-magnesium sulfate, basis 40% K_2SO_4 and 18% MgO, bulk, works, base price. ton. 13.45 - —
bulk, works, July forward ton. 14.00 - —
Potassium-sodium tartrate, NF, gran. or powd., 250-lb. dms., c.l., works E lb. .42½- —
250-lb. dms., 5,000-lb. lots, same basis lb. .43 - —
250-lb. dms., same basis lb. .43½- —
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium flouride, fib. dms., c.l., works lb. .50 - —
fib. dms., l.c.l., works lb. .52½- .55
Pregnenolone, bots. gram. No prices.
Pregnenolone acetate, bots. gram. No prices.
Procaine hydrochloride, USP, antibiotic grade, dms., 2,000-lb. lots, frt. alld lb. 2.25 - —
USP, ampule grade, dms., 1,000 lbs lb. 2.40 - —
dms., 500 lbs lb. 2.45 - —
dms., 100 lbs lb. 2.50 - —
Progesterone, USP, bots gram. No prices.
Pregnenolone acetate, bots gram. No prices.
Propenyl guaethol, dms. lb. 24.30 -27.00
b-Propriolactone, dms., c.l., t.l., f.o.b. works lb. .89 - —
dms., l.c.l., l.t.l., same basis lb. .90 - —
tanks, same basis lb. .87 - —
Propionic acid, syn., pure, dms., c.l., works lb. .23¼- —
dms., l.c.l., works lb. .24¾- —
tanks, works lb. .20¾- —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾- —
dms., l.c.l., dlvd lb. .16¼- —
tanks, dlvd. lb. .12¼- —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - .15
dms., l.c.l., dlvd lb. .15½- .16½
tanks, dlvd. lb. .11½- .12½
n-Propyl gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
n-Propyl-p-hydroxbenzoate, USP, dms lb. 2.30 - 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo. 55.00 - —
bots., smaller lots kilo. 55.10 -55.30
n-Propylamine, dms., c.l., dlvd lb. 1.24 - —
dms., l.c.l., same basis lb. 1.255 - —
n-Propylene dichloride, consumers', dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis lb. .0995- —
tanks, same basis lb. .07 - —
Propylene dichloride prices in West 1c. higher, same basis.
Propylene glycol, indust., dms., c.l., dlvd. E lb. .15 - —
dms., l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .12½- —
USP, dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .14½- —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylene oxide, dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., dlvd. E lb. .18½- —
tanks, dlvd. E lb. .14½- —
Psyllium seed, black, bgs lb. .30 - .35
Blonde, bgs. lb. .18 - .20
Husks, bgs. lb. .42 - .45
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03½- .04¼
bgs., smaller lots lb. .03⅞- —
Imp., Italian, silk-screen, coarse, bgs, ton lots lb. .06½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs ton. 60.00 - —
fine, bgs. ton. 60.00 -70 00
Pumpkin seed, bgs. lb. .25 - .26
Pyrethrins, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bgs., ton, works lb. .50 - —
Powd., 1.3% pyrethrins, bgs., ton, works lb. .71 - —
Pyrethrum liquid, 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works, gal. 9.60 - 9.80
Pyrethrum liquid, 100/1 basis (10 grams pyrethrine per 100cc odorless base), dms., works gal. 45.90 -46.90
Pyrethrum oleoresin, dewaxed, 20%, dms., works lb. 11.00 -11.35
purif, 20%, dms., works lb. 11.00 -11.35
Pyridine, denat., dms., c.l., works and frt. equald gal. 2.55 - —
dms., l.c.l., same basis gal. 2.70 - —
Refd., 2°, non-ret. dms., l.c.l., same basis lb. .70 - —
tanks, same basis lb. .65 - —
Pyridoxine hydrochloride, USP, 500-gram bots., dms., f.o.b. works kilo. 175.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 - 6.00
Pyrocatechol (see Catechol).
Pyrogallic acid, NF (see Pyrogallol).
Pyrogallic acid, tech., bbls., 100-lbs., f.o.b., works lb. 3.50 - —
Pyrogallol, NF, 100-lb. dms lb. 3.50 - —
Pyroxylin, USP, bots lb. 9.50 - —

Q

Quassia chips lb. .10 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 1.30 - 1.40
Quinidine sulfate, USP, 1,000-oz. dm oz. .74½- —
Quinine, NF, 1,000-oz. dm oz. .3105- —
Quinine bisulfate, USP, 1,000-oz. dm. oz. .2330- —
Quinine hydrochloride, 1,000-oz. dm. oz. .3030- —
Quinine sulfate, USP, 1,000-oz. dm. oz. .2575- —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
dms., l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt paste, dms., frt. alld., 100% basis lb. .98 - —
Powd., frt. alld, 100% basis lb. 1.03 - —
Rapeseed oil, dms lb. .15 - .15¼
tanks lb. .13 - —
Rare earth oxalate, NF, 45-50% bgs, works lb. 1.15 - —
Rauwolfia serpentina root, powd., bbls., dms lb. 1.00 - 1.20

RED PIGMENTS

Red pigment quotations are listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red carmine, No. 40 (see Carmine).
Red oil (see Oleic acid).
Red precipitate (see Mercuric oxide, red).
Red toner, Lake C, alizanine, bbls., works lb. 1.25 - —
Reserpine, cryst., bots gram. 1.25 - —
Resorcinol, tech grade, dms., c.l., works, frt. equald lb. .77¼- —
dms., l.c.l., same basis lb. .78½- —
USP, powd., dms., works lb. 2.95 - —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root, bgs. lb. .14 - .16
Rhodamine red toner, molybdated, PMA, kgs., works lb. 6.00 - —
Tungstated, PTMA, works, kgs lb. 6.60 - —
Rhodinol, 5-lb. cans lb. 42.00 -51.00
Synthetic lb. 14.00 -16.00
Rhubarb root, India, whole, bgs lb. .25 - —
powd., bgs. lb. .35 - —
Riboflavin, USP, fib. dms., kilo or more, dlvd kilo. 36.00 - —
Riboflavin, USP, readily soluble, lots, dlvd kilo. 13.00 - —
Riboflavin, 5-phosphate-sodium, fib. dms., kilo or more, dlvd. kilo. 104.50 - —
Rice bran oil, clarified, dms., l.c.l. lb. .14 - .14½
tanks, dlvd. E lb. .12 Nom.
Ricinoleic acid (see Castor oil acids split).
Rochelle salt (see Potassium-sodium tartrate)
Roofing pitch (see Coaltar pitch roofing).
Rose oil, nat., Bulgarian, bots oz. 72.00 - —
Turkish, bots. oz. 55.00 -58.00
Rosemary oil, Spanish, NF, cns., dms lb. .97 - 1.40
Spanish, tech., cns., dms lb. .50 - 1.20
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works. unit-lb. .12 - —
Resin, 25-45%, fib. dms., works. unit-lb. .12 - —
Rottenstone, bgs., 5-ton lots, exwhse lb. .03¾- —
bgs., ton lots, same basis lb. .04¼- —
Rubber solvent, petroleum, 115°F-245°F b.r., tankcars, New Jersey and New York gal. .19 - —
Group 3 gal. .13875- —
Houston, Texas gal. .155 - —
Rue oil, bots lb. 2.75 - 3.00
Rutin, NF, fib. dms., 10 kilo lots. kilo. 13.00 - —
fib. dms., 5 kilo lots kilo. 13.50 - —
fib. dms., 1 kilo kilo. 14.00 - —
Ryania, 100%, powd., bgs., c.l., works lb. .22 - —
bgs., l.c.l., same basis lb. .24 - —

S

S acid, bbls., works lb. 3.25 - —
Sabadilla seed, activated, ground with lime, bbls lb. .42 - .44
Saccharin, calcium, fib, dms., 1,000-lb. lots, works lb. 2.50 - —
USP, gran., soluble, dms., 1,000-lb. lots lb. 1.40 - —
dms., smaller lots lb. 1.50 - —
USP, powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.45 - —
dms., smaller lots lb. 1.55 - —
USP, powd., insoluble, dms., 1,000-lb. lots lb. 1.43 - —
dms., smaller lots lb. 1.53 - —
Safflower oil, dms., New York lb. .1755- .18
tanks, Atl. Coast lb. .1555- —
Saffron, Mancha Superior, tins lb. 19.50 - —
Safrol, dms. lb. .65 - —
Sage, Dalmatian, bgs lb. .40 - —
Greek, cns. lb. .16 - —
Italian, cns. lb. .18 - —
Sage oil, clary, bots. lb. 15.50 -17.00
Dalmatian, cns. lb. 2.85 - 3.25
Spanish, cns. lb. 1.25 - 1.75
Sal soda (see Soda sal).
Salicylaldehyde, dms., c.l., t.l., f.o.b., plant, frt. equald lb. 1.23 - —
dms., l.c.l., same basis lb. 1.25 - —
Salicylamide, 100-lb. dms lb. 1.05 - —
Salicylic acid, crude, fib. dms., c.l., t.l., frt. alld lb. .37¼- —
fib. dms., l.c.l., frt. alld. on 100 lbs. or more lb. .38½- —
Sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., l.c.l., dlvd lb. .43½- —
Salicylic acid, sublimed, USP, cryst., 200-lb. fib. dms., 1,000 lbs. or more lb. .50½- —
200-lb. fib. dms., less than 1,000 lbs lb. .53½- —
100-lb. fib. dms., 1,000 lbs. or more lb. .52½- —
100-lb. fib. dms., less than 1,000 lbs. lb. .53½- —
USP, powd., 100-lb. fib. dms., 1,000 lbs. or more lb. .57½- —
100-lb. fib. dms., less than 1,000 lbs lb. .60½- —
Salol, NF, gran., bbls., kgs lb. 1.20 - —
Powdered salol, 25c. per lb. higher.
Salt, rock, paper bgs., c.l. 100 lbs. 1.09 - —
Salt, table vacuum, common, fine, paper bgs., c.l 100 lbs. 1.34 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, E. Indian, chips, bgs., lb. .55 - .66
powd., fib. dms lb. .75 - .76
Sandalwood oil, cns. lb. 19.00 - —
Sarcosine, tech., tanks, f.o.b., works, frt. equald lb. 1.03 - —
Sardine oil, crude, tanks, Pac. coast. lb. No stocks.
Sassafras oil, artif., dms lb. .43 - —
Nat., dom., dms lb. 1.45 - 2.15
Savory oil, cns lb. 4.75 - —
Schaeffer's salt, paste, dms., frt. alld, 100% basis lb. .85 - —
Powd., bgs., frt. alld., 100% basis. lb. .93 - —
Scopolamine hydrobromide, USP, bots oz. 13.00 - —
Sebacic acid, CP, bgs., c.l., works. lb. .69½- —
bgs., l.c.l., works lb. .71½- —
Purified, bgs., c.l., works lb. .65½- —
bgs., l.c.l., works lb. .67½- —
Seidlitz mixture, fib. dms., 5,000-lb. lots lb. .30½- —
fib. dms., smaller lots lb. .31 - .32
Selenium, powd., 99½%, dms., dlvd. lb. 7.00 - —
Senega root, bls lb. 3.00 - —
Senna leaves, Alexandria, whole and half, bls lb. .20 - .22
siftings lb. .16 - —
Tinnevelly, No. 1, bls lb. .22 - —
No. 2, bls lb. .18 - —
No. 3, bls lb. .14 - —
pods, bls. lb. .28 - —
powd., bbls., bxs lb. .17 - —
Serpentaria root, bls lb. 6.50 - —
Sesame oil, USP, dms lb. .38 - .39
Sesame seed, Colombian, bgs lb. .15½- —
Lebanese, hulled, bgs lb. .19 - —
Nicaraguan, hulled, bgs lb. .21½- —
nat., bgs. lb. .14 - —
Salvadorian, Nat., bgs lb. .16 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .48 - —
Bonedry shellacs prices for less than 1,500-lb. lots 1c. per lb. higher for all packages.
Shellac, bleached, refd., bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .58 - —
Shellac, orange, lemon No. 1, bgs., 10-bg. lots lb. .37 - .39
lemon No. 2, bgs., 10-bg. lots. lb. .34 - .37
superfine, bgs., 10-bg. lots lb. .32 - .34
Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil, tar distillate, dms., c.l., works gal. .37 - —
dms., l.c.l., works gal. .43 - —
tanks, works gal. .25 - —

Sienna pigment, burnt, paper bgs., c.l., works lb. .06½- .18½
paper bgs., l.c.l., works lb. .06¾- .17¾
Raw, paper bgs., c.l., works lb. .06¾- .16¾
paper bgs., l.c.l., works lb. .07 - .17

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton 25.00 - —
bgs., l.c.l., works, ex whse. ton 45.00 - 55.00

Silica, hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton 20.00 - —
bgs., l.c.l., works ton 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton 15.00 - —
bgs., l.c.l., works ton 20.00 - —

Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
dms., l.c.l., works lb. .22 - .30½
tanks, works lb. .17 - —

Silver bullion, ingots, cs Troy oz. .91⅛- —

Silver cyanide, bots., 1,000-oz. lots, oz. .94¾- —
bots., 500-oz. lots oz. .95¼- —
bots., 100-oz. lots oz. .96¼- —

Silver nitrate, CP, cryst., bots., 1,000 to 3,000-oz., f.o.b. works oz. .67¼- —
bots., 250-500 oz., same basis, oz. 67¾- —
USP granular silver nitrate 4c. per oz. higher.

Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.15 - —
Strong, NF, bots., dms., 1,000-oz. lots oz. 1.10 - —

Snakeroot oil, Canada, cns lb. 40.00 - 43.00

Soapbark, crushed, bls lb. .30 - .35
Powd., bls. lb. .35 - .40
Whole, bls. lb. .20 - .25

Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.90 - —
paper bgs., l.c.l., stock pts., 100 lbs. 3.00 - 4.77
bulk, c.l., works 100 lbs. 1.60 - —

Light, 58%, paper bgs., c.l., works 100 lbs. 1.85 - —
paper bgs., l.c.l., stock pts., 100 lbs. 3.95 - 4.72
bulk, c.l., works 100 lbs. 1.55 - —

Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 5.20 - —
liq., 50%, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
50%, rayon type, sellers' tanks, works, dry basis 100 lbs. 2.90 - 3.00

Soda, caustic, flake, 73%, sellers' tanks, works, dry basis, 100 lbs. 3.00 - —
liq., 73%, rayon type, sellers' tanks, works, dry basis lb. 3.00 - 3.10
solid, 76%, dms., c.l., works, 100 lbs. 4.80 - —

Soda, sal, conc., bgs., c.l., works, 100 lbs. 2.50 - —
bgs., smaller lots, works 100 lbs. 2.80 - —

Sodium acetate, anhyd., bgs., c.l., dlvd. E lb. .14½- —
NF, 60%, gran., dms., c.l., works, lb. .15½- —
dms., l.c.l., works lb. .17½- —

Sodium alginate, NF, white powd., dom., 300 lbs. or more lb. 1.02 - —

Sodium p-aminosalicylate, dms., 100-lb. lots or more, frt. adjusted lo. 1.90 - —

Sodium antimoniate, bgs., c.l., dlvd. E lb. .27½- —
bgs., l.c.l., dlvd. E lb. .29 - —

Sodium arsenate, 60% arsenic pentoxide, dms., any quantity,

Sodium arsenite, 90% pink powder, 75% arsenious oxide, leaders, dms., ton lots or more, works lb. .17½- —
dms., less than ton lots, works lb. .18 - .19

Sodium ascorbate, dms., 25-50 kilo dms., f.o.b. works kilo. 10.00 - —
10-kilo dm., same basis kilo. 10.35 - —
5-kilo dm., same basis kilo. 10.75 - —
1-kilo bot., same basis kilo. 11.00 - —

Sodium benzoate, tech., dms., c.l., t.l., frt. alld lb. .35 - —
dms., l.c.l., same basis lb. .39 - —
USP, dms., c.l., t.l., frt. alld lb. .38 - —
dms., ton lots, same basis lb. .43 - —
dms., 1,000-lb. lots, same basis, lb. .45 - —

Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.95 - —
bgs., l.c.l., works 100 lbs. 3.85 - —
USP, powd., bgs., c.l., works, 100 lbs. 2.55 - —
bgs., l.c.l., works 100 lbs. 3.45 - —

Sodium bichromate, gran., bgs., c.l., t.l., works lb. .13 - —
bgs., l.c.l., works lb. .13½- .14¾
Sodium bichromate in dms. ⅜c. per lb. higher.

Sodium bifluoride, bbls., c.l., works, frt. equald lb. .19½- —
bbls., l.c.l., same basis lb. .2025- —

Sodium bisulfate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
dms., l.c.l., frt. equald 100 lbs. 3.50 - 4.10

Sodium bisulfite, anhyd., bgs., c.l., works 100 lbs. 5.00 - —
bgs., l.c.l., works 100 lbs. 5.45 - —
Soln., 35°, bbls., c.l., works 100 lbs. 1.70 - —
bbls., l.c.l., works 100 lbs. 2.20 - —

Sodium borate (see Borax).

Sodium borohydride, powd., dms., c.l., works lb. 19.90 - —
dms., l.c.l., works lb. 33.00 - 40.00

Sodium borohydride, stabilized water soln., 12% NaBH, 100% basis, dms., works lb. 15.00 - —
Pelletized sodium borohydride $1 per lb. higher in 1,000-lb. lots.

Sodium bromide, USP, gran., dms., works lb. .40 - —

Sodium carbonate, cryst., monohydrated (see Soda, sal).

Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs. 3.10 - —
bgs., l.c.l., works 100 lbs. 3.50 - —

Sodium carboxymethyl cellulose (see CMC).

Sodium chlorate, cryst., 350-lb. dms., c.l., works lb. .09 - —
dms., l.c.l., works lb. .09½- .10½
Sodium chlorate in 100-lb. dms., only, ¼c. per lb. higher.

Sodium chloride, tech. (see Salt).

Sodium chloride, USP, gran., bgs., lb. .05 - —

Sodium chlorite, tech., dms., c.l., works lb. .58 - —
dms., 20-dm. lots or more, works, lb. .66 - —
dms., smaller lots, works lb. .70 - .73

Sodium chloroacetate, tech., dms., c.l., works lb. .27 - —
dms., l.c.l., works lb. .28 - —

Sodium chromate, anhyd., fib. dms., c.l., t.l., works lb. .14¼- —
fib. dms., l.c.l., works lb. .15¼- .16½

Sodium chromate tetrahydrate, bgs., c.l., t.l., works lb. .1015- —
bgs., l.c.l. lb. .1065- .1190

Sodium citrate, anhyd., 200-lb. dm., f.o.b. works E lb. .62 - —
NF VIII, gran, bgs., c.l., same basis lb. .26 - —
USP XIV, gran., bgs., c.l., same basis lb. .29 - —
Sodium citrate, USP, powd. prices ½c. higher.

Sodium cyanate, dms., 1,000-lb. lots, works lb. .85 - —
dms., smaller lots, works lb. .90 - 1.10

Sodium cyanide, briquettes or gran., 97 percent min., dms., works, 20,000-lb. lots lb. .176 - —
dms., same basis, 5,000 to 19,999-lb. lots lb. .188 - —
dms., same basis, 1,000 to 4,900-lb. lots lb. .198 - —

Sodium cyclamate, 100-lb. dm., f.o.b. works lb. 1.95 - —

Sodium diacetate, anhyd., 39-41% acetic acid, dms., c.l., works lb. .18 - —
250-lb. dms., l.c.l., works lb. .18¾- —

Tech., 33-35% acetic acid, dms., l.c.l., works lb. .15 - —
250-lb. dms., l.c.l., works lb. .15¾- —

Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis lb. .42 - —
dms., l.c.l., l.t.l., same basis lb. .47 - .52
tanks, same basis lb. .38 - —

Sodium ferrocyanide, bgs., 10-ton lots lb. .13½- —
bgs., smaller lots lb. .14¼- —

Sodium fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
fib. dms., l.c.l., works, frt. equald lb. .1465- —

Sodium formate, bgs., c.l., works. 100 lbs. 7.65 - —
bgs., l.c.l., ex whse 100 lbs. 8.65 - —

Sodium gentisate, 100-lb. fib. dms. lb. 5.50 - —

Sodium gluconate, refd., 250-lb. dm., f.o.b. works E lb. .84 - —
Tech., bgs., c.l., t.l., same basis lb. .34 - —

Sodium hydride, 50% soln. in oil, dms., works lb. 1.25 - 2.50
25% soln. in oil, dms., 50 lbs. or less, f.o.b. shipping point, lb. 2.20 - —
dms., 50-99 lbs., same basis lb. 1.77 - —
dms., 100-999 lbs., same basis lb. 1.20 - —
dms., 1,000 lbs. or more, same basis lb. .95 - —

Sodium hydrosulfide (see Sodium sulfhydrate).

Sodium hydrosulfite, dms., c.l., frt. alld lb. 23½- —
dms., l.c.l., frt. alld. lb. .25¾- —

Sodium hydroxide, NF, pellets, 100-lb. dms., 1 to 100-dm. lots, lb. .25½- .26

Sodium hydroxide, tech. (see Soda, caustic).

Sodium hypophosphite, NF, dms., 1,000-lb. lots lb. .97 - —

Sodium hyposulfite (see Sodium thiosulfate).

Sodium iodide, USP, 300-lb. dms., f.o.b. works lb. 1.98 - —

Sodium lauryl sulfate, dms., c.l., dlvd lb. .20½- —
dms., l.t.l., dlvd. lb. .21½- —
tanks, dlvd. lb. .19½- —

Sodium lignin sulfonate, bgs., c.l., works 100 lbs. 4.25 - 6.50
l.c.l., bgs., works 100 lbs. 4.40 - 7.00

Sodium metabisulfite (see Sodium bisulfite).

Sodium metaborate octahydrate, gran., bgs., c.l., works ton 210.00 - —
bgs., ton lots, ex whse 100 lbs 8.00 - —
bgs., smaller lots, ex whse 100 lbs. 9.25 - 11.25

Tetrahydrate, bgs., c.l., works ton 210.00 - —
bgs., ton lots, ex whse 100 lbs. 13.93 - —
bgs., smaller lots, ex whse 100 lbs. 15.18 - 17.18

Sodium, metallic, bricks, c.l., works, lb .21 - —
Fused, 18,000-lb lots or more, works lb. .19½- —
tanks, works lb. .17 - —

Sodium metalinate, bbls., frt. alld. lb. .62 - —

Sodium metaphosphate, bgs., c.l., f.o.b. shipping pt 100 lbs. 11.10 - —
bgs., l.c.l., same basis 100 lbs. 11.85 - —
dms., c.l., same basis 100 lbs. 11.70 - —
dms., l.c.l., same basis 100 lbs. 12.45 - —

Sodium metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.70 - —
bgs., 6,000-19,900 lb. lots, works, 100 lbs. 6.05 - —
dms., c.l., works 100 lbs. 6.20 - —
dms., l.c.l., works 100 lbs. 6.55 - —

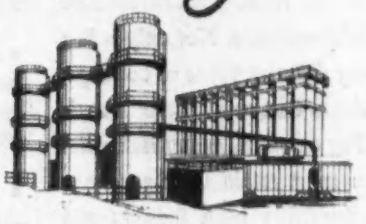
Sodium metasilicate pentahydrate, bgs., c.l., works 100 lbs. 4.45 - —
bgs., l.c.l., works 100 lbs. 4.80 - 6.75
dms., l.c.l., works 100 lbs. 4.95 - —
dms., l.c.l., works 100 lbs. 5.30 - 7.25

Sodium molybdate, anhyd., dms., works, frt. equald lb. .92 - .98
Cryst., dms., works, frt. alld lb. .74 - .76

By every standard... WEST END MEASURES UP AS THE QUALIFIED SUPPLIER OF SALT CAKE

• ACCURATE PROCESSING OF ORDERS
• UNIFORMLY HIGH QUALITY
• ABUNDANT STORAGE
• FLEXIBLE AND EFFICIENT LOADING AND SHIPPING
• EXTENSIVE PRODUCTION CAPACITY
• VAST NATURAL SOURCE OF RAW MATERIAL
• ALL COMMITMENTS SCRUPULOUSLY MET
• FRIENDLY, HELPFUL ATTENTION TO INDIVIDUAL NEEDS
• PROMPT, AUTHORITATIVE ANSWER TO EVERY INQUIRY
However you view your needs, you will find in West End a unique coordination of specialized services, extensive production facilities and product excellence essential to the prompt, efficient handling of individual requirements.

Extensive production capacity



At work around the clock for 35 years, the constantly enlarging facilities at West End supply immediate requirements and maintain vast reserves. Production is geared to meet all normal and emergency requirements of our customers promptly, regardless of market conditions.

Stauffer CHEMICALS SINCE 1885 — 75 YEARS OF SERVICE TO INDUSTRY AND AGRICULTURE

WEST END CHEMICAL COMPANY • DIVISION OF STAUFFER CHEMICAL COMPANY
636 CALIFORNIA, SAN FRANCISCO 8, CALIF. • PLANT: WESTEND, CALIF.

Sodium Monoglutamate—Sorbitan Tristearate

Sodium monoglutamate (see Monosodium glutamate).
Sodium monohydrate (see Sodium carbonate, monohydrated).
Sodium naphthionate, bbls. ..... lb. .70 • —
Sodium nitrate, dom., crude, bgs., c.l., works ton 48.00 • —
bulk, c.l., works ..... ton 44.00 • —
Imp., crude, 100-lb. bgs., c.l., Atl., Gulf, Pac., whse. ton 48.00 • —
bulk, c.l., same basis .... ton 44.00 • —
Sodium nitrite, USP, bbls., c.l., works, frt. equald. 100 lbs. 9.00 • —
bbls., l.c.l., same basis 100 lbs. 11.00 • —
Sodium orthosilicate, conc., dms., c.l., works 100 lbs. 6.70 • —
dms., l.c.l., works ..... 100 lbs. 7.05 • 7.65
Hydrated, flake, bbls., c.l., works. 100 lbs. 5.65 • —
bbls., l.c.l., works ..... 100 lbs. 7.60 • 7.90
Sodium oxalate, 88%, bgs., works. 100 lbs. 12.35 • —
99%, bgs., works 100 lbs. 15.40 • —
Sodium para-aminobenzoate (see Sodium p-aminobenzoate).
Sodium para-aminosalicylate (see Sodium p-aminosalicylate).
Sodium pentachlorophenate, briquets, dms., c.l., works, frt. equald. lb. .26 • —
dms., l.c.l., same basis ..... lb. .27½- .34
Pellets, dms., c.l., same basis lb. .26 • —
dms., c.l., same basis ..... lb. .27½- .34
Powd., dms., c.l., same basis .... lb. .25 • —
dms., l.c.l., same basis ..... lb. .26½- .33
Sodium pentabarbital, USP, dms., 100 lbs. or more lb. 6.00 • —
Sodium perborate, NF, tech., bgs., c.l., works lb. .18½- —
bgs., l.c.l., works ..... lb. .19 • .21
Sodium peroxide, dms., c.l., t.l., dlvd. E. of Miss. lb. .21½- —
dms., l.c.l., same basis ..... lb. .22 • .22½
Sodium phenobarbital, USP, 100-lb. dms. lb. 3.75 • —
Sodium phenosulfonate, USP, IX, gran., dms. lb. .52 • .53
NF, powd., dms. ..... lb. .55 • .56
Sodium phosphate, dibasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 7.95 • —
bgs., l.c.l., same basis 100 lbs. 8.35 • 9.40
Dibasic, cryst., bgs., c.l., t.l., frt. equald. 100 lbs. 4.60 • —
bgs., l.c.l., frt. equald. 100 lbs. 5.00 • 5.75
Dibasic, duohydrate, bgs., c.l., frt. equald. 100 lbs. 7.60 • —
bgs., l.c.l., same basis 100 lbs. 8.10 • —
USP, dried, powd., bgs., dms., works lb. .19 • .20½
Monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 • —
bgs., l.c.l., same basis 100 lbs. 9.40 -10.00
Tribasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 • —
bgs., l.c.l., frt. equald. 100 lbs. 9.45 -10.05
Sodium phosphate in dms. 60c. to 80c. higher than bgs.
Sodium picramate, tech., paste, dms., f.o.b. works, frt. equald lb. .90 • —
Sodium propionate, any quantity, dms., dlvd. E. of Rockies. lb. .34½- —
Prices W. of Rockies 3c. per lb. more.
Sodium prussiate, yellow (see Sodium ferrocyanide).
Sodium pyrophosphate acid, bgs., c.l., works, frt. equald. 100 lbs. 11.10 • —
bgs., l.c.l., same basis 100 lbs. 11.85 12.35
Sodium pyrophosphate, ferric, dms., c.l., t.l., works lb. .36 • —
dms., l.c.l., works ..... lb. .37 • .39
Tetrabasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. 7.81 • —
bgs., l.c.l. same basis 100 lbs. 9.21 • 9.71
Sodium salicylate, USP, dms., 1,000-lbs. or more lb. .78½- —
dms., less than 1,000 lbs., dms. lb. .81½- —
Sodium sesquicarbonate, bgs., c.l., works 100 lbs. 2.35 • —
bgs., l.c.l., dlvd. zone 1 .... 100 lbs. 4.10 • 4.35
dlvd. zone 2 ..... 100 lbs. 4.35 • 4.60
dlvd. zone 3 ..... 100 lbs. 4.75 • 4.90
dlvd. zone 4 ..... 100 lbs. 5.35 • 5.60
Sales zones are (1) Atl. states E. of Miss., R and N of south bound of Ky. and Va., Ala., La., and Miss., south of 31°; Tex. E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt. in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport) Minn., Mo. (except St. Louis) Neb. E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98° N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.
Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works 100 lbs. 5.70 • —
dms., c.l., t.l., works .... 100 lbs. 6.20 • —
Sodium sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 5.00 • —
bgs., 6,000-19,900 lb. lots, works 100 lbs. 5.35 • —
dms., c.l., works 100 lbs. 5.50 • —
dms., 6,000-19,900 lb. lots, works, 100 lbs. 5.85 • —
Sodium silicate, liq., 40° Be., 1:3.2, turbid, dms., c.l., works. 100 lbs. 1.65 • —
dms., l.c.l., works 100 lbs. 1.90 • 2.40
tanks, works ..... 100 lbs. 1.20 • —
47° Be., 1:2.9, turbid, dms., c.l., works 100 lbs. 2.25 • —
dms., l.c.l., works 100 lbs. 2.60 • 3.45
tanks, works ..... 100 lbs. 1.90 • —
52° Be, 1:2.4, turbid, dms., c.l., works 100 lbs. 2.65 • —
dms., l.c.l., works .... 100 lbs. 3.00 • 3.50
tanks, works ..... 100 lbs. 2.30 • —
Solid, 1.3.2, bgs., works .... ton 67.50 • —
Sodium silicofluoride, bgs., c.l., works lb. .065 • —
bgs., l.c.l., works ..... lb. .725- —
Sodium silicofluoride in dms., 0.4c. per lb. higher.
Sodium stannate, dms., works. frt. alld. E lb. .642 • .702
Sodium sulfa drugs (see Sulfa name).
Sodium sulfanilate, bbls., works lb. .22 • —
Sodium sulfate, NF VII, dried, powd., dms lb. .22½- —
Tech., anhyd., bgs., c.l., dlvd. E. ton 54.00 • —
Tech., detergent, rayon grade, bgs., c.l., works ton 36.00 • —
bulk, c.l., works .... ton 32.00 • —
USP, cryst., fib. dms. ..... lb. .17½- .18
Sodium sulfhydrate, flakes, 70-72%, dms., c.l., works, frt. equald lb. .07¼- —
dms., l.c.l., same basis lb. .08¼- —
Liq., 40-44%, tanks, works, 100% basis ton 130.00 • —
Sodium sulfide, flake, dms., c.l., works, E., frt. equald lb. .06 • —
dms., l.c.l., same basis ..... lb. .07 • —
Fused, bbls., c.l., works, E., frt. equald lb. .05½- —
bbls., l.c.l., same basis ..... lb. .06½- —
Sodium sulfite, anhyd., powd., bgs., c.l., works 100 lbs. 7.55 • —
bgs., l.c.l., same basis 100 lbs. 7.95 • —
Anhyd., tech., bgs., c.l., works. 100 lbs. 3.50 • —
bgs., t.l., same basis 100 lbs. 4.00 • —
Sodium sulfocyanide, CP (see Sodium thiocyanate).
Sodium tetraborate (see Borax).
Sodium tetrasulfide, liq., 40%, dms., c.l., works, frt. equald. lb. .04½- —
dms., l.c.l., same basis .... lb. .05½- —
Sodium thiocyanate, CP, dms. .... lb. .55 • .63
Tech., anhyd., dms., 1 ton lots or more, works lb. .317 • —
dms., less than ton lots, works lb. .337 • —
Sodium thiosulfate, NF, cryst., bbls. lb. .13½- —
Tech., anhyd., 100-lb. bgs., c.l., t.l., frt. equald. 100 lbs. 7.75 • —
100-lb. bgs., l.c.l., t.t.l., frt. equald. 100 lbs. 8.15 • —
Sodium thiosulfate, tech., anhyd., photo grade, 64-lb. bgs., c.l., t.l., frt. equald. lb. .0775- —
64-lb. bgs., l.c.l., t.t.l., frt. equald. lb. .0815- —
Tech., pentahydrate, photo grade, 100-lb. bgs., c.l., t.l., frt. equald. 100 lbs. 4.95 • —
Sodium thiosulfate, tech., pentahydrate, photo grade, 100-lb. bgs., l.c.l., t.t.l., frt. equald. 100 lbs. 5.20 • —
Sodium titanate, ctns., c.l., works. lb. .14¼- —
ctns., 5-ton lots, works ..... lb. .14½- —
ctns., 1-ton lots or less, works lb. .14¾- —
Sodium trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld. E. lb. .35 • —
50-lb. dms., c.l., frt. alld. E. lb. .35½- —
10-lb. cns., c.l., frt. alld. E .... lb. .42 • —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Sodium tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.16 • —
bgs., l.c.l., same basis .... 100 lbs. 8.56 • 9.06
Sodium trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.95 • —
bgs., l.c.l., works ..... 100 lbs. 9.70 -13.13
dms., c.l., works ..... 100 lbs. 9.45 • —
dms., l.c.l., works ..... 100 lbs. 10.20 -10.60
Sodium tungstate, tech., kgs., dlvd. E lb. 1.32 • —
Sodium-ammonium phosphate, purif., cryst., dms., works lb. .52 • —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium - formaldehyde sulfoxylate, dms., c.l., dlvd. lb. .21 • —
dms., l.c.l., same basis ..... lb. .21½- —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb. lots or more works lb. .28 • —
fib. dms., smaller lots, same basis lb. .30 • —
Solvent naphtha, coaltar, high-flash, tanks, frt. equald. gal. .30 • .35¼
Solvent naphtha, petroleum, straight aromatic, 310°-360°F. b.r., 14°-16°C. m.a.p., tankcars, New Jersey and New York gal. .29 • .291⅜
Houston, Texas ..... gal. .29 • —
355°-420°F. b.r., 17°-18°C. m.a.p., tankcars, New Jersey and New York. gal. .30 • .311⅜
Houston, Texas ..... gal. .28½- —
Solvent naphtha, petroleum, partial aromatic, 211°-265°F. b.r., 31°C. m.a.p., tankcars, New Jersey and New York gal. .235 • —
286°-340°F. b.r., 22°C. m.a.p., tankcars, New Jersey and New York gal. .275 • —
319°-380°F. b.r., 27°C. m.a.p., tankcars, New Jersey and New York gal. .2815- —
322°-395°F. b.r., 28°C. m.a.p., tankcars, New Jersey and New York gal. .2915- —
Sorbital, powd., dms., c.l., works lb. .36 • —
dms., 1 to 5-ton lots, works. lb. .38 • .39
Soln., coml., aqueous, dms., c.l., works lb. .24¼- —
dms., ton lots, works ... lb. .25 • —
dms., smaller lots, works lb. .25¼- —
tanks, works ..... lb. .23¼- —
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .33 • —
Sorbitan monostearate, fib. dms., 10,000 to 20,000-lb. lots, works lb. .35 • —
fib. dms., smaller lots, works lb. .38 • .40
Sorbitan tristearate, fib. dms., 20,000-lb. lots, works lb. .34 • —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .36 • —
fib. dms., smaller lots, works lb. .39 • .41

FOR A TRULY MULTI-PURPOSE WHITE PIGMENT SPECIFY

TITANOX*-RA-50

TITANOX-RA-50—the rutile titanium dioxide pigment—is *doubly* versatile. Not only is it a favorite for many different types of coatings, but also for finishes that must perform multiple services. For example, many industrial product finishes must retain their good appearance and durability both indoors and outdoors. TITANOX-RA-50 helps them do just that.

This truly multi-purpose white pigment is a favorite because of these outstanding characteristics:

- **fast wetting**
- **extreme fineness of grind**
- **high whiteness**
- **reduction of after-yellowing of vehicles**
- **high resistance to chalking, without significant loss of tint clarity.**

These qualities make TITANOX-RA-50 ideal for whitening, brightening and opacifying:

- **Paints . . . water emulsion paints and coatings, interior-exterior enamels, industrial finishes of all types, white and tinted exterior house paints, porch and deck enamels and maintenance paints.**
- **Paper . . . particularly latex and other types of coatings to be used for containers, wrappers and packages.**
- **Plastics . . . especially vinyl sheeting and floor coverings.**

Our Technical Service Department is always glad to help you with your pigmentation problems. There's a TITANOX pigment for anything that needs whitening, brightening or opacifying. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; offices and warehouses in principal cities. In Canada: Canadian Titanium Pigments, Ltd., Montreal.

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*TITANOX is a registered trade mark of National Lead Company for titanium pigments offered by Titanium Pigment Corporation.

TITANOX
the brightest name in pigments

TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Sorbitol, NF, reg., 70% aqueous, dms., c.l., works..lb. .18 - —
dms., l.c.l., works..lb. .19 - —
tanks, works..lb. .16¼- —
cryst., resin grade, pellets, dms., c.l., works..lb. .23 - —
dms., 1 to 5-ton lots, works, lb. .25 - .26

Soya protein, chemically isolated, old process, bgs., c.l., works, lb. .23 - —
bgs., l.c.l., works..lb. .23¼- .23½
Chemically isolated, new process, bgs., c.l., works..lb. .20 - —
bgs., l.c.l., works..lb. .20¼- .29½

Soybean meal, 44%, bulk, unrestricted, Decatur..ton 52.00 - —

Soybean oil, crude, tanks, Decatur, lb. .08¾- —
Foots, soapstock, acid 95%, tanks, N. Y..lb. .05½- —
Refd., alkali, dms..lb. .1305- .1330
tanks..lb. .1105- —
Clarified, dms..lb. .1255- .1280
tanks..lb. .1055- —
Salad, dms..lb. .1275- .13
tanks..lb. .1075- —

Soybean oil acids, dbl. dist., dms., lb. .17 - .19½
tanks..lb. .14½- —
S. D., dms..lb. .15¾- .18¼
tanks..lb. .13¼- —

Sparteine sulfate, cns., 100 oz. or more..oz. .80 - —
Spearmint leaves, dom., bls..lb. .75 - —
Spearmint oil, NF, dms..lb. 9.00 -11.75
Sperm oil, bleached, winter, 45°, dms..lb. .1575- .1675
tanks..lb. .1375- —
Nat., winter, 45°, dms..lb. .1475- .1575
tanks..lb. .1275- —
Spermaceti wax, blocks, cs..lb. .31 - .33
Cakes, cs..lb. .32 - .34
Spruce oil, cns., dms..lb. 2.10 - 3.55
Squill, white, bls..lb. .16 - .18
Powd., bbls., bxs..lb. .17 - .20
St. John's bread, edible, bls..lb. .17 - —
Stannic chloride, anhyd., dms., works..lb. .812 - .834
Stannic oxide, dms., dlvd..lb. 1.10 - 1.11
Stannous chloride, anhyd., dms., works..lb. 1.007 - 1.262
Hydrous, cryst., dms., works..lb. .87 - .88
Stannous sulfate, dms., works..lb. 1.062 - 1.102
Star root (see Helonias root).
Stargrass root (see Aletris root.)
Stavesacre seed, bgs..lb. .60 - .61
Stearic acid, dbl., pressed bgs..lb. .15¾- .18¼
Single-pressed, bgs..lb. .15¼- .17¾
Triple-pressed, bgs..lb. .17½- .20
Stearine, oleo (see Oleostearine.)
Stoddard solvent, petroleum, tanks, east coast, New York..gal. .18 - —
tanks, Houston..gal. .1475- —
tanks, group 3..gal. .12875- —
Stramonium leaves, bgs..lb. .13 - —
Streptomycin sulfate, bulk, gram. .033 - .036
Strontium bromide, NF, cryst., 100-lb. dm., f.o.b. E..lb. .92 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works..lb. .35 - —
dms., 1-ton lots, works..lb. .37 - —
Tech., dms., works..lb. .19 - —
Strontium chromate, fib. dms., dlvd., lb. .48 - —
Strontium iodide, jars, 25-lb. lots lb. 3.57 - —
Strontium nitrate, bgs., c.l., works, 100 lbs.11.00 - —
bgs., l.c.l., works..100 lbs.12.00 - —
Strontium salicylate, NF, dms..lb. 1.88 - —
Strontium sulfate, air floated, 90%, 325 mesh, bgs., works, ton.56.70 -66.15
Strophanthin G (see Quabain, USP).
Strophanthin K, bots..oz.25.00 -25.50
Strophanthus seed, Kombi, biologically tested, bgs..lb. 3.50 - 3.75
Styrax gum, USP, cs..lb. 4.50 - 5.50
Styrene monomer, polymer grade, 99.6%, dms., c.l., frt. alld., lb. .17 - —
dms., l.c.l., same basis..lb. .19 - —
tanks, same basis..lb. .14½- —
Tech., 99.2%, dms., c.l..lb. .1472- —
dms., l.c.l., same basis..lb. .1672- —
tanks, bulk, same basis..lb. .1222- —

Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index.

Styrolyl acetate, bots..lb. 1.10 - —
Succinic acid, purif., cryst., dms., t.l., frt. alld..lb. .62 - —
dms., l.t.l., same basis..lb. .63 - .75
Succinic anhydride, dms., c.l., t.l., dlvd..lb. .51 - —
dms., l.c.l., same basis..lb. .52 - —
Sucrose, refd., white, bgs., refy..E. lb. .0920- —
Sucrose acetate, isobutyrate, 90%, dms., t.l., dlvd..lb. .33½- —
dms., l.t.l., same basis..lb. .35 - —
tanks, same basis..lb. .31 - —
100%, t.l., dms., dlvd..lb. .35½- —
l.t.l., dms., same basis..lb. .37 - —
Sucrose octa-acetate, denaturing grade, 100-200-lb. lots, bgs., l.c.l., works..lb. 1.00 - —
Sugar (see Sucrose).
Sugar cane, wax, dom., refd., slabs, 80-lb. ctns., works..lb. .60 - .65
80-lb. ctns., spot..lb. .65 - .75
Sulfabenzamide, dms..kilo. 8.80 - 9.90
Sulfabenzamide-sodium, dms..kilo. 9.00 -10.10
Sulfacetamide, USP, fib. dms..kilo. 6.61 - 6.83
Sulfacetamide-sodium, USP, fib. dms..kilo. 8.15 - 9.25
Sulfadiazine, USP, microcrystals, dms..kilo.23.35 -24.45
USP, powd., dms..kilo.22.60 -23.70
Sulfadiazine-sodium, USP, dms..kilo.24.80 -25.90
Sulfaguanidine, NF X, dms..kilo. 5.50 - 6.60
Sulfamerazine-sodium, USP, powd., dms..kilo.24.80 25.90
Sulfamethazine, USP XV, microcrystals, dms..kilo.19.65 -20.75
USP XV, powd., dms..kilo.18.75 -19.85
Sulfamic acid, cryst., dms., c.l., t.l., works..100 lbs.16.00 - —
dms., l.c.l., l.t.l., works..100 lbs.17.50 18.50
Gran., dms., c.l., t.l., works, 100 lbs.14.75 - —
dms., l.c.l., l.t.l., works..100 lbs.16.25 -17.25
Sulfanilamide, NF, reg., 1,000 lb., frt. equald..lb. 1.50 - —
NF, fib. dm., frt. equald..lb. 1.55 - —
Sulfanilamide quinoxaline, veterinary, dms..kilo.16.28 - —
Sulfanilic acid, tech., dms., c.l., frt. alld..lb. .21 - —
dms., l.c.l., frt. alld..lb. .23 - —
Sulfapyridine, USP XV, powd., bots., tins..kilo.15.45 -16.55
Sulfapyridine-sodium, monohydrate, dms..kilo.16.53 -17.65
Sulfathiazole, NF X, microcrystals, dms..kilo. 6.25 - 6.90
NF X, powd., dms..kilo. 5.50 - 6.15
Sulfathiazole-sodium, NF X, dms., 1,000-lb. lots or more..lb. 2.35 - —
Sulfur, coml., flour, bgs., mines, 100 lbs. 2.35 - —
bbls., mines..100 lbs. 3.30 - —
lump, bgs., mines..100 lbs. 2.25 - —
bbls., mines..100 lbs. 2.80 - —

Sulfur, crude, dom., bright, bulk, f.o.b. cars, mines..long-ton 23.50 - —
export, f.o.b. vessels, Gulf ports, long-ton.25.00 - —
US and Canada, f.o.b. vessels Gulf ports..long-ton.25.00 - —
Domestic dark sulfur prices are $1 per long-ton lower.
Sulfur, crude, imp., Mexican, bulk, filtered, f.o.b., vessel, Coatzacoalcos..long-ton.24.00 - —
Mexican dark sulfur price is $1 per long-ton lower.
Sulfur, refd., flowers, NF, bgs., mines..100 lbs. 5.65 - —
bbls., mines..100 lbs. 7.00 - —
flour, light, bgs., mines..100 lbs. 5.25 - —
bbls., mines..100 lbs. 6.25 - —
lump, bgs., mines..100 lbs. 4.95 - —
rolls, bgs., mines..100 lbs. 5.50 - —
bbls., mines..100 lbs. 6.25 - —
salt block, bgs., mines..100 lbs. 4.65 - —
virgin block, bbls., mines 100 lbs. 4.70 - —
Sulfur, rubbermakers, coml., reg., bgs., mines..100 lbs. 2.45 - —
bbls., mines..100 lbs. 3.70 - —
98-100%, passing through 325 mesh, bgs., mines..100 lbs. 2.55 - —
bbls., mines..100 lbs. 3.80 - —
refd., bgs., mines..100 lbs. 4.90 - —
bbls., mines..100 lbs. 6.05 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.75 - —
bbls., mines..100 lbs. 4.00 - —
Sulfur dichloride, ret. dms., c.l., works, frt. equald..lb. .05¼- —
ret. dms., l.c.l., same basis..lb. .06¼- —
tanks, same basis..lb. .04½- —
Sulfur dioxide, liq., coml., cyls., works, frt. equald..lb. .10 - .12
multi-unit cars, works..lb. .0535- —
tanks, works..lb. .045 - —

Sulfur dioxide, refrigeration, cyls., dlvd..lb. .33 - —
Sulfur monochloride, 55-gal. non-ret. dms., c.l., frt. equald..lb. .05¼- —
dms., l.c.l., same basis..lb. .06¼- —
tanks, same basis..lb. .04½- —
Sulfuric acid, 60° Be,. cbys., c.l., works..100 lbs. 2.00 - —
cbys., l.c.l., works..100 lbs. 2.30 - —
tanks, works..ton.18.60 - —
66° Be, cbys., c.l., works..100 lbs. 2.25 - —
cbys., l.c.l., works..100 lbs. 2.55 - 3.35
tanks, works..ton.22.35 - —
98%, tanks, works..ton.23.50 - —
99%, tanks, works..ton.23.70 - —
100%, tanks, works..ton.23.95 - —
CP, NF, consumers' cbys., c.l., frt. equald..lb. .12¾- —
Sulfuric acid, CP, NF, consumers', cbys., l.c.l., same basis, lb. .14¼- .14¾
5-pt. bots., extra, cs., c.l., works, frt. alld..lb. .16¼- —
5-pt. bots., extra, cs., l.c.l., same basis..lb. .17¾- .18¾
Sulfuric acid, fuming (oleum), 20%, tanks, works..ton.25.00 - —
40%, tanks, works..ton.29.00 - —
65%, tanks works..ton.39.50 - —
Superphosphate, run-of-pile under 22% a.p.a., pulv., bulk, c.l., Baltimore unit-ton. .90 - .93
bulk, c.l., Carteret, N. J. unit-ton. .90 - .93
bulk, f.o.b. vessel at Fla. unit-ton. 1.03 - —

Superphosphate, triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla unit-ton. .98 - —
Sweet birch oil, USP, northern, cns..lb. 4.00 - 9.50
USP, southern, cns..lb. 2.00 - 3.05

T

2,4,5-T, dms., c.l., works, frt. equald, lb. 1.18 - —
dms., l.c.l., same basis..lb. 1.25 - —
2,4,5-T, isopropyl ester, dms., c.l., works, frt. equald..lb. 1.24 - —
dms., l.c.l., works..lb. 1.29 - —
Talc, dom., fibrous, grd., bgs., c.l., works, New York..ton.28.00 - —
bgs., l.c.l., works..ton.31.00 -36.00
fibrous, 99.5%, 325 mesh, bgs., c.l., works, New York..ton.31.00 - —
bgs., l.c.l., works..ton.34.00 - —
Talc, dom., fibrous, 99.95%, 400 mesh, micronized, bgs., c.l works..ton.38.00 - —
625 mesh, micronized, bgs., c.l., works..ton.80.00 - —
ord., Calif., grd., bgs., c.l., works..ton.34.00 -39.50
Vermont, off-color, grd., bgs., c.l., works..ton.19.40 - —
bgs., l.c.l., works..ton.37.00 - —
Imp., Canadian, grd., bgs., c.l., mines..ton.20.00 -35.00

Announcing

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Epon® Resin in ready-to-use solutions

You save valuable time when you buy Epon resin solutions, because weighing, compounding, filtering, and standardizing are done for you right at the Shell Chemical plant.

Epon resin solutions come to you ready-to-use, with the solvent and solids content standardized. You save on handling time, too, because Epon resin solutions can be pumped with ordinary equipment. These solutions may be integrated into time-tested coating formulations, eliminating the need for costly experimentation in your own laboratories.

If you do not find the Epon resin solutions you need in the table, perhaps we can compound one to your exact requirements after we analyze your problem. Get complete information by phoning or writing your nearest Shell Chemical district office.

EPON RESIN SOLUTION	RESIN	SOLVENT	% SOLIDS
Epon 834-X-90	834	Xylene	90
Epon 836-C-75	836	MIBK	75
Epoh 1001-A-80	1001	Acetone	80
Epon 1001-B-80	1001	MEK	80
Epon 1001-BT-70	1001	MEK/Toluene (50/50)	70
Epon 1001-CX-75	1001	MIBK/Xylene (65/35)	75
Epon 1001-T-75	1001	Toluene	75
Epon 1001-X-75	1001	Xylene	75
Epon 1007-CT-55	1007	MIBK/Toluene (50/50)	55

SHELL CHEMICAL COMPANY
PLASTICS AND RESINS DIVISION

Central District, 6054 West Touhy Avenue, Chicago 48, Illinois
East Central District, 20575 Center Ridge Road, Cleveland 16, Ohio
Eastern District, 42-76 Main Street, Flushing 55, New York
Western District, 13642 Downey Avenue, Downey, California

IN CANADA: Chemical Division, Shell Oil Company of Canada, Limited, Toronto

SHELL

Tall Oil—Tributyrin

Tall oil, crude, dms., c.l., works	lb.	.04¼-	.04½
tanks, works	lb.	.02¾-	.03
Dist., depending on grade, dms., c.l., works	lb.	.06¾-	.07¾
dms., l.c.l., works	lb.	.07 -	.08
tanks, works	lb.	.04¾-	.05¾
Refd., depending upon grade, dms., c.l., works	lb.	.07¼-	.09
dms., l.c.l., works	lb.	.07½-	.09¼
tanks, works	lb.	.05¼-	.06¾
Tall oil acids, dms., c.l., works	lb.	.07 -	.08
dms., l.c.l.	lb.	.07¼-	.08¼
tanks, works	lb.	.05 -	.06
Tallow, edible, tanks, dlvd	lb.	.08¾-	.08½
inedible, fancy, bleachable, tanks	lb.	.05¾-	—
fancy, guaranteed, bulk, f.o.b. steamer	lb.	.06¼	Nom.
dms., f.a.s.	lb.	.07¼ -	—
tanks, dlvd.	lb.	.06 -	.06¼
No. 1, tanks, dlvd.	lb.	.05 -	—
Prime, tanks, dlvd.	lb.	.05⅜-	—
Special tanks, dlvd.	lb.	.05¼-	—
Sulfonated, 25%, bbls., l.c.l.	lb.	.08½-	.08¾
50%, bbls., l.c.l.	lb.	.10½-	.11
Tallow acids, dist., dms.	lb.	.13¼-	.15¾
tanks	lb.	.10¾-	—
Hydrogenated, dms.	lb.	.14¾-	.17¼
Tallow oil, acidless, dms., c.l.	lb.	.13½-	Nom.
dms., l.c.l.	lb.	.14½-	.16
Tangerine oil, Florida, dms.	lb.	4.75	- —
Tankage, animal, feeding, 9-11% ammonia, New York bulk, unit-ton		5.25	- 5.75
Tannic acid, NF, fluffy, bbls., 1,000-lb. lots	lb.	2.05	- —
bbls., smaller lots	lb.	2.06	- 2.07
NF, powd., bbls., 1,000-lb. lots	lb.	1.95	- —
bbls., smaller lots	lb.	1.96	- 1.99
Tech., dms.	lb.	1.05	- —
Tansy oil, dms	lb.	6.60	- 8.00
Tar acid oil, 15-18%, dms., c.l., frt. equald	gal.	.53½-	—
dms., l.c.l., same basis	gal.	.55½-	—
tanks, same basis	gal.	.43½-	—
Tar acid oil, 25-28%, dms., c.l., same basis	gal.	.60	- —
dms., l.c.l., same basis	gal.	.62	- —
tanks, same basis	gal.	.50	- —
50-53%, dms., c.l., same basis	gal.	.75	- —
dms., l.c.l., same basis	gal.	.77	- —
tanks, same basis	gal.	.65	- —
Tar, coal (see Coaltar).			
Tartar emetic (see Antimony potassium tartrate).			
Tartaric acid, NF, 100-lb. bgs., c.l., frt. equald	lb.	.41	- —
bgs., 10,000 lbs., 1 shipt., same basis	lb.	.43	- —
bgs., smaller lots, same basis	lb.	.47	- —
Terpine hydrate, NF, cryst., powd., 100-lb. fib. dms.	lb.	.70	- —
Terpineol, extra, dms	lb.	.50	- .60
Prime, dms.	lb.	.40	- .50
Terpinyl acetate, extra, cns., dms.	lb.	.54	- .75
Prime, dms.	lb.	.53	- .56
Terpinyl propionate, dms.	lb.	1.70	- —
Terra alba (see Gypsum).			
Testosterone, USP, bots.	gram.	No prices.	
Testosterone propionate, USP, bots.	gram.	No prices.	
Tetrachloroethane, dms., works	lb.	.14½-	—
Tetrasodium pyrophosphate (see Sodium pyrophosphate).			
Tetrachloroethylene, tech. (see Perchloroethylene).			
Tetrachloroethylene, USP, 55-gal. dms., c.l., t.l., works	lb.	.20½-	—
dms., l.c.l., works	lb.	.22 -	.23½
Tetraethyl orthosilicate, dms., c.l., dlvd. E	lb.	.60 -	—
dms., l.c.l., dlvd. E	lb.	.61½-	—
Tetraethyl pyrophosphate, 40%, cns., dms., frt. equald	lb.	.75 -	—
Tetraethylenepentamine, dms., c.l., dlvd. E	lb.	.53½-	—
dms., l.c.l., dlvd. E	lb.	.55 -	—
tanks, dlvd. E	lb.	.51 -	—
Tetraethylthiuram disulfide, tech., dms., frt. alld	lb.	1.04 -	—
Tetrahydrofuran, dms., c.l., t.l., works	lb.	.36½-	—
dms., l.c.l., or l.t.l., works	lb.	.37 -	—
tanks, works	lb.	.35 -	—
Tetrahydrofurfuryl alcohol, dms., c.l., t.l., Memphis, Tenn.	lb.	.31½-	—
dms., l.c.l., Memphis, Tenn.	lb.	.32½-	—
dms., c.l., t.l., Newark, N.J.	lb.	.33½-	—
dms., l.c.l., Newark, N.J.	lb.	.34½-	—
tanks, dlvd. E. of Denver	lb.	.31 -	—
tanks, dlvd. W. of Denver	lb.	.32 -	—
Tetrahydrophthalic anhydride, dms., c.l., t.l., frt. alld. E	lb.	.39 -	—
l.c.l., l.t.l., same basis	lb.	.41 -	—
Tetrapotassium phosphate (see potassium phosphate).			
Thallium metal, dlvd	lb.	7.50	-10.00
Thallium sulfate, 99%, bots., dlvd.	lb.	5.00	-10.00
Theobromine, NF, fib. dms., 100-lbs., f.o.b., works	lb.	4.40	- 4.75
Theobromine and sodium acetate, USP, fib. dms., 500-lbs. works	lb.	6.45	- —
Theobromine, sodio-salicylate, NF, fib. dms., 500-lbs., works.	lb.	3.80	- —
Theophyline, USP, anhyd., 100-lb. dms., frt. alld.	lb.	3.65	- —
Thiamine hydrochloride, USP, fib. dms., frt. alld.	kilo.	36.00	- —
USP, ampule grade, fib., dms., frt. alld.	kilo.	38.00	- —
Thiamine mononitrate, USP, fib. dms., frt. alld.	kilo.	36.00	- —
Thiocarbanilide, dms., ton lots	lb.	.72	- —
dms., less ton lots	lb.	.74	- —
Thiodiphenylamine (see Phenothiazine).			
Thioflavin green toner, brilliant, molybdated, PMA, kgs., works	lb.	5.20	- —
Tungstated, PTMA, kgs., works	lb.	6.20	- —
Thioglycolic acid, refd., 55 gal. dms., ton lots, 100% basis	lb.	1.15	- —
Thiosalicylic acid, 80%, dms., 1,000-lb., lots, works	lb.	4.00	- —
Thiourea, tech., bgs., t.l., frt. alld.	lb.	.30	- —
bgs., ton lots, same basis	lb.	.32	- —
bgs., less than ton lots, same basis	lb.	.33	- —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works	lb.	3.50	- —
di Threonine, bots., 1-kilo lots	kilo.	275.00	- —
Thyme leaves, French, ngs	lb	.29	- —
Spanish, bgs.	lb.	.11	- —
Thyme leaves, bgs.	lb.	.29	- —
Spanish, bgs.	lb.	.11	- —
Thyme oil, NF, red, cns., dms.	lb.	1.90	- 2.25
NF, white, cns.	lb.	2.20	- 2.60
Tech., white, cns.	lb.	.40	- 1.85
Thymol, fib. dms., 25-lbs., f.o.b. works	lb.	3.06	- —
Thymol iodide, NF, dms., 100-lbs. f.o.b. works	lb.	7.40	- —
Timbo root (see Cube root).			
Tin chloride (see Stannous chloride, anhyd.).			
Tin crystals (see Stannous chloride, hydrous).			
Tin metal (Straits)	lb.	1.02	- —
Tin oxide (see Stannic oxide).			
Tin sulfate (see Stannous sulfate).			
Tin tetrachloride, anhyd. (see Stannic chloride, anhyd.).			
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd.	lb.	.25½-	—
bgs., l.c.l., dlvd.	lb.	.26½-	—
reg., bgs., c.l., dlvd.	lb.	.25½-	—
bgs., l.c.l., dlvd.	lb.	.26½-	—
metallurgical, nat., bgs., c.l., f.o.b. Jacksonville, Fla.	ton.	180.00	- —
bgs., 5-ton lots, Niagara Falls, N. Y.	ton.	205.00	- —
bgs., ton lots, same basis	ton.	215.00	- —
Milled metallurgical titanium dioxide $7.50 per ton higher.			
Titanium dioxide, rutile, nonchalking, bgs., c.l., dlvd. E	lb.	.27½-	—
bgs., l.c.l., dlvd. E	lb.	.28½-	—
Titanium dioxide-calcium pigment, 30% Ti O_2, reg., bgs., c.l., dlvd.	lb.	.09⅜-	—
bgs., l.c.l., works	lb.	.09⅞-	—
50% Ti O_2, high-tinting, dms., c.l.,	lb.	.14⅜-	—
dms., l.c.l.	lb.	.14⅞-	—
Titanium hydride, powd., dms., works	lb.	8.10	- 9.00
Titanium tetrachloride, tech., dms., c.l., works	lb.	.26 -	—
dms., l.c.l., works	lb.	.27½-	.29
tanks, works	lb.	.20 -	—
Tobias acid, dms., c.l., t.l.	lb.	.78 -	—
dms., l.c.l.	lb.	.81 -	—
d-a-Tocopherols, NF, mixer, conc., pure basis, bots	kilo.	67.00	- —
d-a-Tocopheryl acetate, NF, conc., pure basis, bots	kilo.	122.00	- —
d-a-Tocopheryl acid succinate, cryst., bots.	kilo.	109.00	- —
dl-a-Tocopherol, bots.	kilo.	99.00	- —
dl-a-Tocopheryl acetate, bots.	kilo.	90.00	- —
25% dry, powd., bots.	kilo.	22.50	-24.00
33⅓ dry, powd., bots.	kilo.	30.00	-31.50
o-Tolidine base, dry, kgs., 100% basis	lb.	1.55	- —
Paste, kgs., 100% basis	lb.	1.50	- —

TOLUOL
Toluol quotations, both coaltar and petroleum, may be found under Toluene.

o-Tolidine, hydrochloride paste, kgs., 100% basis	lb.	1.50	- —
Tolu balsam, cns.	lb.	3.50	- 3.65
Toluene, coaltar, indust., or nitration, tanks, dlvd. E. of Rockies	gal.	.23	- —
Toluene, petroleum, indust., tanks, dlvd. E. of Rockies	gal.	.25	- —
p-Toluenesulfonamide, powd., dms., t.l., works	lb.	.60	- —
dms., l.t.l., same basis	lb.	.63	- —
Toluenesulfonic acid, 55-gal. dms., t.l., frt. alld.	lb.	.16	- —
1,000-lb. or more, same basis	lb.	.18	- —
less than 1,000-lb., same basis	lb.	.23	- —
tanks, same basis	lb.	.14	- —
Toluenesulfonic acid in 10-gal. dms., 2c. per lb. more.			
p-Toluenesulfonic acid monohydrate, dms., c.l., or t.l.	lb.	.90	- —
dms., 125 lbs. to t.l.	lb.	1.00	- —
m-Toluidine, dms., c.l., works, frt. alld.	lb.	.83	- —
dms., l.c.l., same basis	lb.	.84	- —
tanks, same basis	lb.	.82	- —
o-Toluidine, dms., c.l., works, frt. alld.	lb.	.30	- —
dms., l.c.l., same basis	lb	.31	- —
tanks, same basis	lb.	.28	- —
p-Toluidine, tech., flake, dms., frt. alld.	lb.	.50	- —
Cast, dms., frt. alld.	lb.	.45	- —
p-Toluidine-m-sulfonic acid, dms., works	lb.	.92	- 1.04
Toluidine red toner, deep shades, kgs., works	lb.	1.70	- —
Light shades, kgs., works	lb.	1.70	- —
2,4-Tolylenediamine, cryst., fib. dms., l.c.l., frt. alld.	lb.	1.10	- —
Tonka beans, Angostura, cks.	lb.	1.50	- —
Brazilian, Surinam, cs.	lb.	1.30	- —
Totaquine, 100-oz. lots, cns.	oz.	.42	- —
Toxaphene, dms., c.l., t.l., works,	lb.	.22	- —
dms., l.c.l., l.t.l., works	lb.	.28	- —
Tragacanth gum, No. 1, ribbons, cs.	lb.	3.90	- 3.95
No. 2, cs.	lb.	3.60	- 3.75
No. 3, cs.	lb.	3.25	- 3.40
USP, powd., bbls.	lb.	1.05	- 1.15
Triacetin dms., c.l., dlvd. E. of Rockies	lb.	.39	- —
dms., l.c.l., same basis	lb.	.40	- —
tanks, same basis	lb.	.37	- —
Triallylamine, dms., c.l., dlvd.	lb.	.985	- —
dms., l.c.l., dlvd.	lb.	.995	- —
tanks, dlvd.	lb.	.96	- —
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver,	lb.	.42½-	—
non-ret. dms., l.c.l., frt. alld. E. of Denver	lb.	.43½-	—
tanks, frt. alld. E. of Denver	lb.	.40 -	—
Tributyl phosphate, dms., c.l., works,	lb.	.52½-	—
dms, l.c.l., same basis	lb.	.53½-	—
tanks, same basis	lb.	.50 -	—
Tributylamine dms., c.l., works	lb.	.67½-	—
dms., l.c.l., same basis	lb.	.69 -	—
tanks, same basis	lb.	.65 -	—
Tributyrin, dms., l.c.l., dlvd.	lb.	.69 -	—

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Trichloroacetic acid, bots ....lb. 2.00 - 2.50
Trichlorobenzene, dms., c.l., frt. alld. E. ..lb. .15 - —
dms., l.c.l., frt. alld. E. .....lb. .16 - —
tanks, frt. alld. E. .....lb. .13¼- —
Trichlorobenzene prices in the West 1¾c. higher.
1,1,1-Trichloroethane, dms., c.l., dlvd. lb. .13¼- —
dms, l.c.l., dlvd. .....lb. .16¼- —
tanks, dlvd. .....lb. .12¼- —
1,1,2-Trichloroethane, dms., c.l., works .lb. .13½- —
dms., l.c.l., dlvd. E. .....lb. .14½- —
tanks, works .....lb. .11½- —
Trichloroethylene, dms., c.l., or t.l., dlvd .lb. .14 - —
dms., l.c.l., dlvd. .....lb. .15¼- —
tanks, dlvd. .....lb. .12¾- —
Trichloroisocyanuric acid, dms., c.l., t.l., frt. equald ..lb. .65 - —
dms., l.c.l., same basis .....lb. .75 - —
Trichlorophenoxyacetic acid (see 2,4,5-T).
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd .lb. .35 - —
dms., l.c.l., dlvd. .....lb. .36 - —
tanks, dlvd. .....lb. .32½- —
Tricresyl phosphate, petroleum, dms., c.l., dlvd .lb. .34½- —
dms., l.c.l., dlvd .....lb. .35½- —
tanks, dlvd. .....lb. .32½- —
Tridecyl alcohol, mixed isomers, dms., c.l., dlvd. E lb. .26½- —
dms., l.c.l., dlvd. E .....lb. .28 - —
tanks, dlvd. E .....lb. .24 - —
Triethanolamine, dms., c.l., dlvd. E. lb. .24½- —
dms., l.c.l., same basis.....lb. .26 - —
tanks, same basis .....lb. .22 - —
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld .lb. .25½- —
dms., l.t.l., frt. alld. .....lb. .26½- —
tanks, frt. alld. .....lb. .24½- —
Triethylamine, dms., c.l., dlvd. E. lb. .50 - —
dms., l.c.l., same basis.....lb. .51½- —
tanks, same basis .....lb. .47½- —
Triethyl nitrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver .lb. .46¼- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .47¼- —
tanks, frt. alld. E. of Denver. lb. .43¾- —
Triethyl phosphate, dms., c.l., dlvd. lb. .40½- —
dms., l.c.l., dlvd. .....lb. .41½- —
tanks, dlvd. .....lb. .38 - —
Triethylene glycol, dms., c.l., dlvd. E .lb. .21 - —
dms., l.c.l., dlvd. E.....lb. .22½- —
tanks, same basis .....lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .51½- —
dms., l.c.l., dlvd. E.....lb. .53 - —
tanks, dlvd. E .....lb. .49 - —
Triisobutylene, tanks, dlvd. .....lb. .08 - —
Tri-isopropanolamine, dms., c.l., dlvd. E .lb. .23¼- —
dms., l.c.l., dlvd. E.....lb. .24¾- —
tanks, dlvd. E .....lb. .20¾- —
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .30 - .303
tanks, frt. equald, 100% basis. lb. .26 - —
25-40% soln., dms., c.l., frt. equald, 100% basis lb. .35 - —
dms., l.c.l., frt. equald, 100% basis lb. .35½- —
tanks, 100% basis, frt. equald .lb. .26 - —
Trimethylolpropane, dms., c.l., t.l., dlvd. E.lb. .35 - —
dms., l.c.l., l.t.l., same basis....lb. .36 - —
Trioxanes, pure, dms., c.l., t.l., works .lb. .50 - —
dms., l.c.l., works .....lb. .51½- —
Tripentaerythritol, bgs., c.l., t.l., dlvd. E lb. .40 - —
bgs., l.c.l., l.t.l., dlvd. E lb. .41 - —
Triphenyl phosphate, bbls., c.l., frt. equald .lb. .41½- —
bbls., l.c.l., frt. equald .....lb. .43½- —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene, dms., c.l., dlvd. E ..gal. .44 - —
dms., l.c.l., same basis.....gal. .54 - —
tanks, same basis .....gal. .28 - —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E..lb. .20½- —
dms., l.c.l., l.t.l., frt. alld. E .lb. .22 - —
tankcars and compartmented tankcars, frt. alld. E .lb. .17½- —
tankwagon and compartmented tankwagons, 1,000 gals. min., frt. alld. E..lb. .18 - —
Tripropylene glycol prices 1c. per lb. higher in west.
Trisodium phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib., dms., works lb.55.00 - —
Tung oil, dms., c.l., New York..lb. .24¾- .25½
tanks, imported, N. Y. .....lb. .23¼- .23½
tanks, domestic, mills .....lb. .22¼- —
Tungsten metal, powd., 2.0-2.5 microns, dms., works ...lb. 4.25 - —
Tungstic acid, tech., dms., 1,000-lb. lots, works..lb. 2.25 - —
dms., smaller lots, works....lb. 2.45 - —
Turkey red, bbls., works.....lb. .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, cns., dms..lb. .28 - .50
Tuscan red, bbls., frt. equald....lb. .26 - .32
Tyrothricin, USP, 1 to 5 kilos..gram. .54 - —

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Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies .lb. .35 - .39½
Jobbing types, bbls., same basis.lb. .19 - —
Regular types, dry bbls., same basis lb. .22½- .35
Ultramarine blue prices 1c. higher W. of Rockies.
Umber pigment, burnt, American, bgs., c.l., works..lb. .07½- .07¾
bgs., l.c.l., works .....lb. .07¾- .08
Burnt, turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .08¼- —
Raw, American, bgs., works....lb. .07¾- .08¼
Turkey-type, bgs., works.....lb. .08½- .08¾
Undecylenic acid, dms. .....lb. 1.28 - —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E..ton.125.00 - —
bgs., l.c.l., dlvd. E. ex whse. ton.145.00 - —
45% N, agricultural, bgs., c.l., (30 tons) dlvd. E..ton.103.00 - —
Urea-ammonia liquor A, B, C & F grades, N basis, tanks, frt. equald..ton.120.00 - —
37 grade, tanks, same basis..ton.145.00 - —
Urethane, USP, dms., t.l., f.o.b., works..lb. .65 - —
dms., l.t.l., same basis.....lb. .70 - —
Uva-ursi leaves, bls .....lb. .12 - —

V

Valerian root, Belgian bgs. ....lb. .32 - —
Indian, bgs. .....lb. .25 - —
dl-Valine, dms., works.....lb.21.00 -27.50
Vanadium pentoxide, tech., dms., works..lb. 1.28 - 1.33
Vandyke brown, bbls., works....lb. .09¼- .12
Vanilla beans, Bourbon, tins.....lb.12.25 - —
Mexican cuts, tins .....lb.12.25 - —
whole, tins .....lb.12.50 - —
Vanillin ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more..lb. 3.00 - —
100-lb. fib. dms., 500-lb. lots..lb. 3.10 - —
100-lb. fib. dms., cns. 100-lb. lots..lb. 3.25 - 3.35
Venetian red, jobbing, bgs., works. lb. .0475- —
Venetian red, 20%, bgs., works..lb. .0525- —
25%, bgs., works.....lb. .0575- —
30%, bgs., works.....lb. .06 - —
35%, bgs., works.....lb. .0625- —
40%, bgs., works.....lb. .0675- —
Vetiver oil, Bourbon, cns. .....lb.17.25 -17.50
Haitian, cns. .....lb.14.50 -15.50
Victoria blue toner, molybdated, PMA 250-lb. bbls., dlvd. E. of Rockies..lb. 4.50 - 4.95
Tungstated, PTMA, 250-lb. bbls., dlvd. E. of Rockies....lb. 5.55 - —
Victoria blue toner, bbls., prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd..lb. .20 - —
55-gal. dms., l.c.l., dlvd. ....lb. .21½- —
tanks, dlvd. .....lb. .17½- —
tanktrucks less than 4,000 gal., dlvd..lb. .18 - —
Zone 2, 55-gal. dms., c.l., dlvd..lb. .21 - —
55-gal. dms., l.c.l., dlvd. .....lb. .24 - —
tanks, dlvd. .....lb. .18½- —
tanktrucks, less than 4,000 gals., dlvd..lb. .19 - —
Zone 1 is all continental US except zone 2, zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Vinyl n-butyl ether, tech., dms., l.c.l., works..lb. .50 - —
Vinyl chloride monomer, tanks, works..lb. .125 - —
Vinyl ether USP, anethesia, bots., 50cc., hospitals..bot. 1.12 - —
bots., 75cc., hospitals.....bot. 1.56 - —
Vinyl ethyl ether tech. dms., c.l., works..lb. .29¼- —
dms., l.c.l., works.....lb. .30 - —
tanks, works.....lb. .27¼- —
Vinyl propionate monomer, dms., c.l., dlvd..lb. .49 - —
dms., l.c.l., same basis.....lb. .50 - —
tanks, same basis .....lb. .47 - —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works..lb. 1.20 - —
1 to 9 dms., works.....lb. 1.35 - —
tanks, works .....lb. 1.15 - —
Vinyltoluene, dms., c.l., f.o.b., works. lb. .16½- —
dms., l.c.l., same basis .....lb. .18½- —
tanks, f.o.b. dest. frt. prepaid..lb. .14 - —
Viosterol in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units..1,000,000 units. .02½- —
Virginia type red, bbls., works lb. 1.40 - —
Vitiamin A acetate, syn., cryst., beads, 500,000 A units per gram gram .07¼- —
Vitamin A acetate, dry, 500,000 units per gram, kilo lots..kilo.65.00 - —
325,000 units per gram, same basis kilo.43.88 - —
250,000 units per gram, same basis kilo.33.75 - —
Dry vitamin A acetate in less than kilo lots, $1.25 to $2.50 per kilo higher.
Vitamin A, liq. in oil, 1,000,000 A units per gram..1,000,000 units. .09½- —
Vitamin A palmitate, liq., 1,000,000-1,800,000 A units per gram..1,000,000 units. .09½- —
Vitamin B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin and Yeast).
Vitamin B_{12}, cryst., USP (cyanocobalamin), 1-50 grams, vials, tins gram.95.00 - —
0.1% vitamin B_{12}, USP, adsorbed on gelatin, 100 and 500-gram bots on 1-5 kilo dms gram. 1.14 - —
0.1% vitamin B_{12}, USP adsorbed on resin, 100 and 500-gram bots., 1-5 kilo dms gram. 1.14 - —
Vitamin B_{12}, oral grade solids in containers of 1 and 10 gram of B_{12} activity gram.85.00 - —
0.1% trituration of cryst., B_{12}, with dicalcium phosphate or mannitol, 1-10 kilo.kilo.109.00 - —
Vitamin B_{12}, 0.1% cobalamin concentrate, NF, adsorbed on resin, 500-gram bots., 1-5 kilo, dms., frt. alld gram. .90 - —
0.1% cobalamin concentrate in gelatin, 1-10 kilo, dms., frt. alld gram. .90 - —
Vitamin C (see Ascorbic acid).
Vitamin D, (see Codliver and Fishliver oils, Calciferol and Viosterol).
Vitamin D, dry, 850,000 units per gram, kilo lots..kilo.42.50 - —
850,000 units per gram less than kilo lots..kilo.45.00 - —

—*Continued on page 49*

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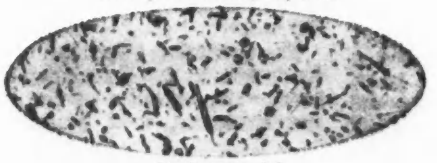
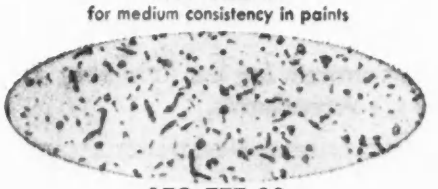


AZO ZZZ-11
for medium consistency in paints



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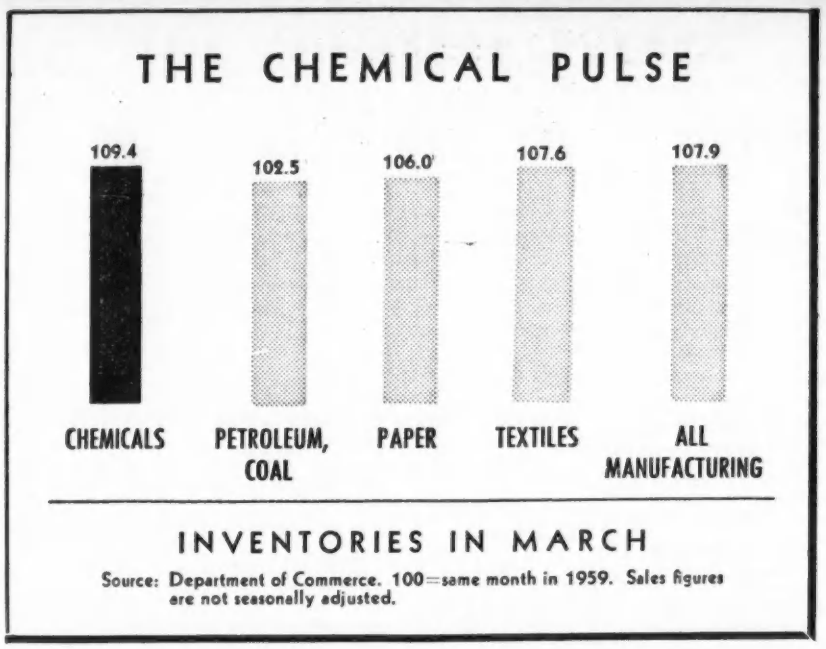

Health Care in Politics

This being a year when all vote "crops" must be diligently cultivated, it is to be expected that the members of congress will busy themselves in big efforts to turn out some sort of a project of governmental assistance in the needs of the aged in areas of health. The evidence in that connection is already quite voluminous. So many approaches to such action are being followed by this, that, or some other handful of the federal lawmakers that nobody can even guess what, if any, goal will be arrived at by a sufficient number to make enactment possible. There are even several surviving schemes along the original line of charging some sort of care as a feature of social security; although the Forand bill is in something like limbo, and the President, for one, wants the acceptance of assistance to be wholly voluntary.

Among the potential beneficiaries of any health-help scheme, there are at least five opinions for each million of them. What that portends is anybody's guess; polling has got nowhere. Some feel that the greater a person's need for help, the less chance he would have of getting it under the social security tieup. Others know that they would not have even a look-in because they are not entitled to social security benefits because they have never been employed under its applicability.

One of the biggest kicks against the social security idea comes from those who are already covered to some extent by way of membership in some privately operated plan. They cannot see why they should be "taxed" through larger SS holdouts to provide help for those who have done nothing toward providing it for themselves. That position is being whacked in various critical commentaries by reason of the probing of something in relation to or connection with the Blue Cross service. That organization is being rapped with charges that its operating expenditures are unduly high. Its endeavors to get official permission to increase its rates are opposed in many areas, especially by labor groups, which never want anybody else to get a raise. That applies also to the charge by labor that the increase in the cost of hospitalization is a consequence wholly of the allegedly snap judgment of physicians as to the need for such service.

One of the leading private-enterprise providers of life and health insurance has announced a tripartite program, assumably in response to the widespread interest in finding a practicable means of dealing with the heavy cost of health assistance for the aged. Basically, it would extend the coverage of its group health insurance contracts to members of any work group after retirement. That idea, of course, is wholly outside of the politically promoted projects. That of itself would make it more desirable. It would meet the views of President Eisenhower in several respects, but would not have the coverage of his suggested collaborative plan. That plan has been called a "political hoax" by organized labor, which is strongly in favor of the social security tieup. Other critics possessing more than a little political weight, call the President's plan "old-fashioned" and say that it would "play footsie" with commercial insurance setups which, according to their peculiar undefined concept, "have no place in a health plan for the aged." Their place certainly is much more definitely and practicably established than is that of the federal government.

The common-sense view is that the federal government should keep out of health assistance planning politically and in all other respects except in a collaboratively advisory capacity. Collaboration, with emphasis on private and professional policies and practices must have individual, family, community, and at least some measure of state participation. And it must have due regard for what really is needed and how much must be contributed toward its providing—and how.

Pesticides and the Public

The foreword of a pamphlet, "Pesticides and Public Policy," published last month by the National Agricultural Chemicals Association, says: "A serious threat to the continued supply of wholesome, nutritious food, and its availability at present-day low prices, is manifested in the fear complex building up as a result of recent unfounded, sensational publicity with respect to agricultural chemicals. These chemicals are necessary for continued production of adequate food, feed, and fiber crops."

The concluding paragraph of the variously informative dissertation is as follows: "The objective of the pesticide manufacturers, food producers, and processors, the US Department of Agriculture, the Federal Food & Drug Administration, and the US Public Health Service has every reason to be identical —the production of an adequate supply of wholesome food to nourish and make strong our rapidly growing population and to improve the protection of the public health from the threat of insect and rodent borne diseases. Common sense is the major ingredient needed by all groups in working to achieve these goals in the balanced best interests of all."

As a matter of public relations, it is unfortunate that the only reference to the health of the public in these statements of policy and purpose has nothing to say about protection against potential poisoning consequences of the widely prevalent practices of pesticidal application.

The NACA position in the controversy over the effects of pesticidal practices on desirable, useful,—and pest-ridding —wildlife, set forth in the article on page 4 last week on the probe planned by the National Academy of Sciences, presents another aspect of an economic philosophy which has no potentialities in the direction of desirable, beneficial public relations for those who provide voluminously applied pesticides and those who use them.

The public has got another attraction to the pesticide problem by way of the announcement June 19 that the Department of Agriculture has laid out a million-dollar program of stepped-up research in the development of agricultural chemicals that will not leave harmful residues on articles of human food. In testimony at a closed-door hearing by a house subcommittee on appropriations, on a request for funds for the program, a top research official of the department said that the residue problem was becoming increasingly urgent. The situation is complicated for the farmer, he said, by the enactment of stringent laws designed to insure safety in the use of pesticides and other chemicals in crop and livestock production. The production complication has been supplemented, he declared, by serious marketing problems arising from the alarming of the public by the incidents of seizure of cranberries and poultry made unfit for human consumption by variously acquired chemical residues. The witness did not say—insofar as information is available—what effectiveness was being achieved in the enforcement of the stringent laws on pesticidal control. It must be assumed that the results are not satisfactory, or the department would not find it necessary to attack the problem from the basis of making pesticides safe. It should have the wholehearted collaborative support of the manufacturers of those chemicals.

Public relations is a very potent factor in very many aspects of commercial economy, especially where and when the policy is afflicted with nearsightedness and narrowsightedness.

Washington Talks It Over

Delaney Clause Advocates Are to Be Considered Smart Maneuverers for the Role They Played In Urging Interstate Commerce Committee to Ignore Flemming's Amendments.

By Ralph L. Cherry
Washington Editor

Credit the Delaney clause advocates in the house with a bit of smart parliamentary maneuvering when they prevailed upon the interstate commerce committee, in connection with the color bill, not to consider the amendments to the clause that had been urged by HEW Secretary Arthur S. Flemming.

They not only dashed any hopes the chemical industry might have harbored that there is still a chance of action to ease the clause when the color bill goes to conference, but they may have thrown a road block in the way of changing the clause for many years to come.

The importance of the maneuver becomes clear when one realizes that the house, unlike the senate, operates under a set of strict rules of procedure and precedents that fixes the boundaries of subject matter to be under immediate consideration.

When a bill is under consideration on the floor of the house for passage, any amendments to that bill must be germane to the subject matter of that bill. The color bill deals with color additives as distinguished from food additives and the only amendments in order will be those dealing with the color regulation.

Had the interstate commerce committee broadened the bill to deal with food additives, as Secretary Flemming requested, then amendments to ease the ban on carcinogens in the food additives law would be in order.

Thoughts have been expressed in some quarters that possibly the conference committee between the senate and house on the color bill might write in amendments to the Delaney clause in the food additives law. For parliamentary reasons, this, too, is not possible.

Conference committee actions are also limited to the subject matter of the bill. Since neither the color bill passed by the senate, nor the bill of the house include any amendments to the food additives law, the conference committee is precluded from writing in such amendments on its own motion.

Chemical and food industry hopes for any change in the Delaney clause in the food additives law thus rest upon some future congressional action on legislation dealing directly with the food additives law. When this might occur is anybody's guess.

Unless industry can come up with more convincing arguments than it did this year, it won't happen next year or for a long time to come.

Heavy Chemicals

Price advances reported to date for July 1 amount to 25 cents a hundredweight in white ammonium chloride, the other grade holding unchanged; 40 cents a hundredweight in caustic potash, and $2 a ton in industrial grade muriate of potash. The second of these boosts is impelled mainly by the third, but all three reflects a portofolio of cost increases gathered over a long period of steady quotations. At present, it's believed that the balance of heavy chemical prices will move into the third quarter unchanged.

Production figures for April give evidence of a downturn in some outlets, resulting, trade source believe, from steel's lag, and a short breather at the consuming end of the economy. According to statistics, reproduced below, from the Census Bureau, output of alum and nitric acid was sharply lower, while calcium carbide and phosphoric acid experienced only moderate declines. Nor was the decline in sulfuric acid sharp. But hydrofluoric acid, beneficiary of aluminum's sustained production pace, scored an advance, and a few chemicals managed to hold steady, production-wise.

Copper, last week, showed continued strength, but producers' prices, likewise, were unvaried.

July 1 Price Advances

Ammonium chloride, white, 25c. per 100 lbs.
Potash, caustic, 40c. per 100 lbs.
Potassium chloride, $2 per ton.

Slow to merely moderate business volume in mercury, in evidence all through the spring season, is accounted for by the current lag in construction of chemical plants using mercury cell batteries, trade sources explained last week.

The American Paper and Pulp Association reported production for the week ended June 18, at 99.4 percent of theoretical capacity as compared with the revised figure of 98.8 percent for the previous week and 96.7 percent for the corresponding week of last year.

Acids

Chromic—Prices are steady and unchanged, business volume holding up well considering the imminence of summer, according to advices from the trade.

Hydrochloric — Steel's downturn notwithstanding, demand for this acid holds at a fair level, propped by moderate activity in chlorinated solvent accounts.

Hydrofluoric—Production figures reported below for aluminum give evidence that a major outlet for HF refuses to bow to talk of an industrial slowdown, thereby impelling the acid through the pipelines in undiminished volume.

Nitric—Some off-season fertilizer needs coalesce with fair activity in industrial outlets to keep this acid from being made moribund by torpid summer.

Sulfuric—Pricing appears to be steady —at shaded levels on the Eastern seaboard, at list elsewhere.

American Iron & Steel Institute expected steel output to decline a shade last week to 1,739,000 tons, or 61 percent of capacity, from an actual total of 1,775,000 tons or 62.3 percent of capacity the previous week.

According to the Institute's records, output a month ago was running at 1,870,000 tons, and one year ago, at 2,486,000 tons.

Price Trends

Advanced

Tin metal, straits, 1c. per lb.
Salts, ½c. to 3.5c. per lb.

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	June 26, 1959
106.84	106.84	106.87	104.84

For Current Prices See Page 9

Bases and Salts

Ammonium Chloride—A price advance of 25c. a hundredweight has been slated for the white material, effective July 1. The other grade will remain unchanged.

Under the new schedule for white, prices will be $6 a hundredweight for bags and $6.50 for barrels, carloads. This will be the first price boost in four years, trade sources confirm.

Caustic Potash—The July 1 advance in this chemical calls for a boost of 40c. a hundredweight. As the first since July 1, 1953, the advance will offset increased costs of labor and freight as well as the scheduled advance in industrial muriate of potash, the basic raw material.

Caustic Soda—Market trotted along at an easy summer gait, prices holding steady, supply in balance, the way ahead looking clear for good business volume after the hurdle of summer doldrums is cleared, sources in the trade reported.

Chlorine—Business is characterized as fair enough for this time of the year.

Copper Sulfate—US production of copper sulfate rose 34 percent in April to 4,940 tons, the largest since the same month of last year, according to the Mines Bureau.

Increased output, Mines reports, came in response to the first full month's operations following settlement of strikes at copper plants. Shipments gained 16 percent, but were 400 tons less than production; and stocks rose 13 percent.

Potassium Chloride—Industrial grade muriate of potash (refined potassium chloride) will rise $2 a ton come the first of July, as reported here previously. This will bring prices of the 99.9 percent type to $29 a ton, and those of the 99.3 to $28, restoring them to the level prevailing before the reduction of 1956.

Soda Ash—Business was described as active enough for this time of the year, prices as steady, supply as balanced.

Sulfur—The domestic sulfur industry produced 424,421 long tons of native material and 55,750 tons of recovered sulfur during April, the Mines bureau reports. The usual monthly table will appear here next week.

Nonferrous Metals

Aluminum — Defying the economic barometer, aluminum production rose again in May. According to the Aluminum Association, producers turned out

Inorganic Chemicals Output: April

The following figures compiled by the Bureau of Census indicate production of industrially important inorganic chemicals, in tons.

	April	March
Soda ash., syn., light	206,250	208,472
dense	168,875	179,770
Soda ash, natural	66,850	69,356
Soda, caustic, liquid	407,744	428,283
dry	43,420	45,257
Sodium bichromate and chromate	11,111	10,075
Sodium chlorate	7,954	7,156
Sodium hydrosulfite	2,092	2,293
Sodium metal	9,388	9,550
Sodium phosphate, tribasic	4,644	4,557
Meta	5,532	5,385
Tetra	6,728	9,984
Acid pyro	1,492	1,629
Sodium silicate	50,263	49,070
Sodium sulfate, anhyd.	24,147	26,453
Glaubers salt	8,072	8,898
Salt cake, crude	61,837	64,880
Sulfuric acid, gross	1,536,967	1,619,055

	April	March
Aluminum Chloride anhyd.	2,141	2,139
liq., cryst.	2,256	2,384
Aluminum sulfate, coml.,	71,861	80,734
iron-free	3,833	4,950
Calcium carbide	96,631	100,826
Carbon dioxide, liq., gas, solid	37,211	*35,861
Chlorine gas	36,052	30,316
Hydrochloric acid	93,517	94,569
Hydrofluoric acid	9,820	*9,778
Hydrogen peroxide	2,079	*2,470
Nitric acid	275,457	304,503
Phosphoric acid	181,541	183,927
Phosphorus, elemental	35,212	35,502
Phosphorus oxychloride	2,028	2,150
Phosphorus trichloride	1,704	1,671
Potash, caustic, liq.	8,961	9,144
Solid	1,781	1,766

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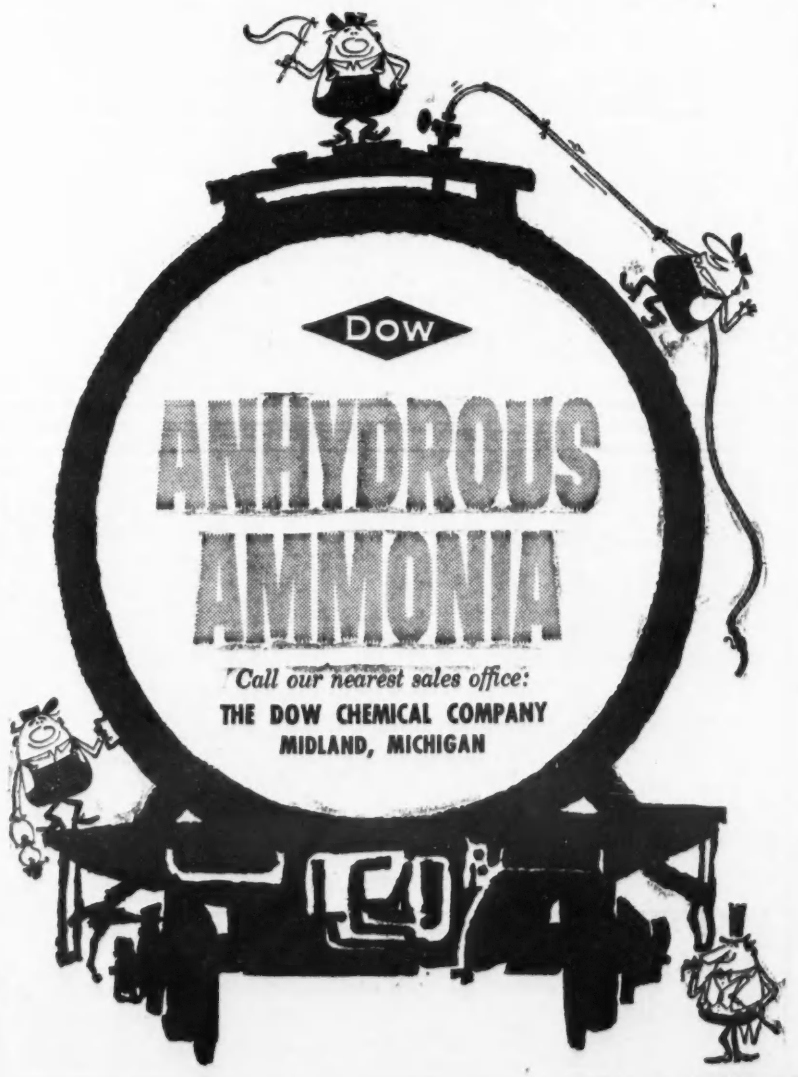

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Heavy Chemicals

175,863 short tons of the light metal that month, up from 168,596 tons in April.

This brought the total for the year through May 30 to 835,997 tons, the Association notes.

Production in May a year ago was 163,857 tons, and the total for the first five months of 1959, 775,076 tons. The all-time record month remains July, 1959, with 179,194 tons—not much higher than the latest May figure. The all-time record quarter is the 3rd of 1959 with 520,216 tons, the Association reports.

Copper—US crude production was higher in May, but primary output and shipments declined, the Copper Institute reports. Crude output is tallied at 105,398 tons as against 104,895 the previous month. Refined output was 147,050 tons as against 153,053 the month before. Shipments totaled 108,266 tons as compared with 129,663.

Outside the U , crude output was lower, refined a shade higher, and shipments sharply higher, according to the Institute's figures.

Crude output was at 195,278 tons, as compared with 197,373; refined rose to 174,297 tons from 173,350; and shipments rose to 210,868 tons from 189,374.

Mercury—Prices were unchanged at the prevailing range of $212 to $215 a flask, large lots, prompt shipment. Business was slow, reflecting the current lag in construction of the type of chemical plants utilizing mercury cells, according to trade advices.

Tin—Market gained strength as prices advanced one cent, closing Friday at $1.02 per pound, spot.

Titanium—Production of titanium mill products in April totaled 534,742 pounds, the Census Bureau reports. This was a decline from 645,276 pounds in March and 795,222 pounds in April a year ago.

For 1960, the cumulative total through April stands at 2,474,257 pounds, up a shade from 2,464,259 pounds in the corresponding period of 1959.

Flintkote Plans Merger With Midwest Cement Firm

A merger of Flintkote Company, New York, and Diamond Portland Cement Company, Middle Branch, Ohio, has been proposed by directors of both firms. The proposed merger is subject to approval of the stockholders of both companies at meetings to be announced in the near future. Flintkote has had a hand in the cement business since August, 1957, when it acquired Kosmos Portland Cement Company of Louisville, Ky.

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Chemical Market Below Rio Grande to Bloom

—Continued from page 7

search and development was discussed in a different context at the meeting by Carl A. Gerstacker, vice-president of Dow Chemical, Midland, Mich.

"Research on new products in the chemical industry," Mr. Gerstacker believes, "is threatened by rising costs and static chemical prices."

New product development research, he feels, "is in increasing jeopardy in the situation in which we now find ourselves because we simply can't do without defensive research."

Speaking before a symposium on finance at the meeting, the Dow executive contended that the chemical industry "must improve its profit margins if we are to realize our glorious heritage."

"It seems fantastic," according to Mr. Gerstacker, "but the index of chemical prices in the US is sitting right where it was in 1951 when it hit 110."

In 1952 the index dropped back to 104.5, he notes then went gradually to a new high of 110.4 in 1958. As of the first quarter of this year it was back to 110.

By comparison, he points out that the price index for all commodities other than farm products reached a peak of 115.9 in 1951, dropped back 2½ points in 1958 and now stands at a new high of 128.7.

Profit 'Getting Thin'

Conceding that there is still "some profit" in the chemical business, Mr. Gerstacker nevertheless warns that "it is getting sufficiently thin that it is in danger of strangling what has been a readily growing and progressive industry."

Behind the industry's profit problem, he feels, are overproduction, overcapacity, manpower costs "a little short of alarming," increasing cost of materials, transportation and taxes.

Fertilizer Bids Invited By Government of Korea

American fertilizer producers and suppliers are being invited by the Korean government to make offers to supply upwards of 220,000 metric tons of fertilizer. Bids should be filed by July 4 in accordance with invitation No. 0741-C obtainable from the Korean Embassy in Washington, D.C. or the Korean Consulate General in New York or San Francisco.

The invitation calls for 127,000 metric tons of nitrogenous fertilizers consisting of any of the following: urea, ammonium sulfate, ammonium nitrate, calcium cyanamid (maximum 20,000 tons), ammonium chloride (maximum 10,000 tons), calcium ammonium nitrate, or ammonium sulfate nitrate.

The remainder is to consist of 23,000 metric tons of ammonium phosphates, and 40,000 metric tons of triple superphosphate or calcium superphosphate, and 30,000 metric tons of fused magnesium phosphate.

Casein Bill Gains

—Continued from page 3

house on the Hartke amendment even before a conference meeting was held.

Sen. Bennett defended the compromise on the grounds that the revised language makes the administration of the tariff more workable for the treasury. He pointed out that almost all casein can be converted into the edible material and it would have been almost impossible for the treasury to administer the law as it was proposed to be changed by the Hartke amendment.

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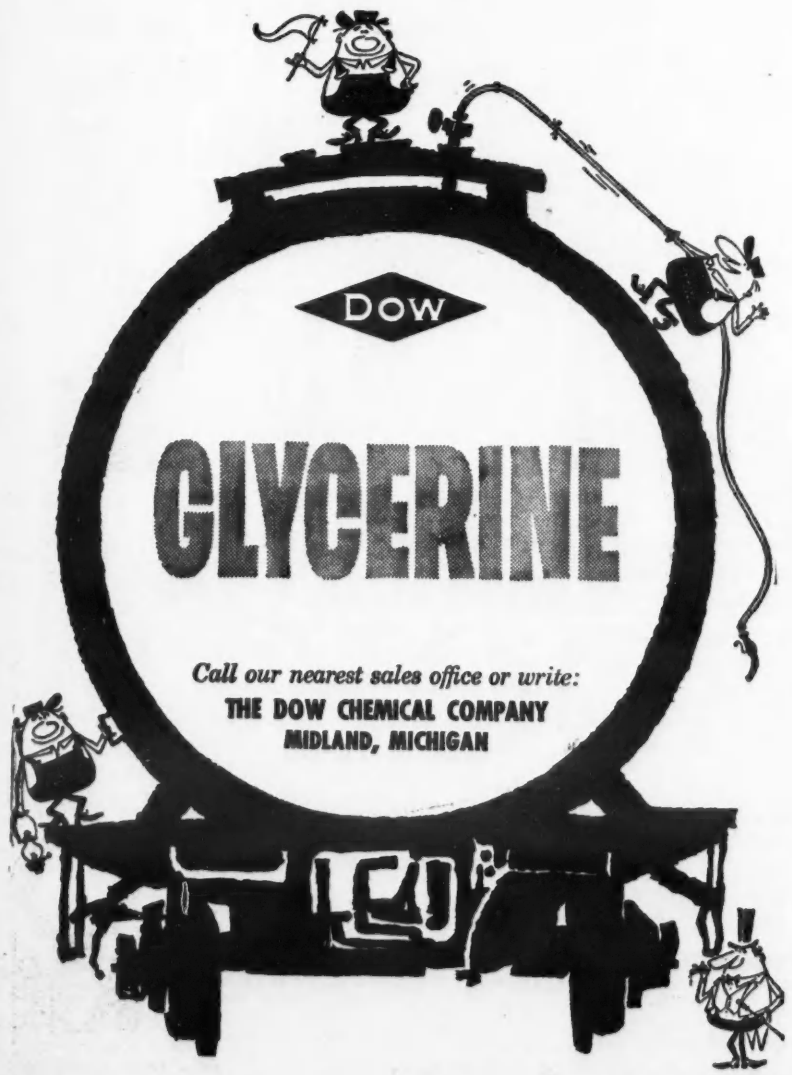

Aliphatic Organics

Organic chemical sales during the first half of 1960 are expected to be satisfactorily above the 1959 level for the same period. Some materials, of course, will likely show bigger gains than others. In the top-performing category, according to advance estimates from trade sources, are the plasticizers and the chemicals which get into their manufacture; ethyl alcohol; water-soluble resins such as hydroxyethyl cellulose and polyvinyl alcohol; and some of the more versatile lacquer solvents.

Generally, however, sales have not lived up to forecasts made months ago when boom-talk was in the air. This fact has discouraged boldly optimistic thinking and invited occasional gloomy predictions from some trade people who, like businessmen everywhere, too frequently compare today with the best yesterday or the peak period anticipated.

Profits, unfortunately, have not risen with the sales curve. Increasing competition from an ever-expanding domestic industry and from cheaper imported materials have forced organic chemicals producers to hold the line on prices, and in so doing to absorb completely continually rising operating costs.

To what extent imports are a factor is not readily ascertainable. For one thing, US firms—organized along highly complex lines—sometimes import materials that are manufactured abroad by a subsidiary or affiliated firm, and this situation, however viewed, isn't foreign competition. A case in point is carbon tetrachloride. Much of the carbon tet brought into the US, it's believed, comes from the Canadian affiliate of a major domestic producer and captive user of the solvent.

Also confusing is the type of report which appeared in an advertisement in a daily paper last week. According to the ad—which offered advice to firms in the matter of upcoming tariff cuts to GATT nations—carbon tet imports increased 2,305 percent during the five year period, 1954-59.

While no one is likely to dispute the arithmetic involved, the dramatic figure, whether by design or no, does overstate the significance of imports. As trade people point out, carbon tet imports, in terms of volume, were too small to be a market factor in 1959 even as in 1954. Then too, what percent of the 2,305 percent increase represented carbon tet imported from an overseas affiliate of a US company? One remembers at about this point that while figures don't lie they seldom tell the whole, unadulterated truth.

Acetophenone — Prices for technical acetophenone are unchanged at levels established about a year ago. Schedule, incorrectly listed in OPD's Prices Current last week but now corrected thanks to several inquiries from trade people, reads as follows: tanks 45c. per pound; drum carloads 47c. per pound; and drum less carloads 47¾c. per pound, all on an f.o.b. works basis.

Trade reports indicate that demand for acetophenone is routinely good, supplies adequate, price activity unlikely.

Carbon Tetrachloride—A full-page advertisement in one of the nation's leading business papers last week discussed the tariff reductions the State department proposes to extend to member nations of GATT, and noted, among other specifics, that imports of carbon tetrachloride rose 2,305 percent in the five year period, 1954-1959.

Viewed as a percentage, the gain in foreign shipments is rather alarming. But in terms of actual volume, it amounts to only a few additional pounds. The truth is that carbon tet imports weren't very big in 1954 or in 1959. Furthermore, no one's expecting a giant surge in coming months.

After examining Commerce department statistics and making discreet inquiries in the trade, one discovers that much of the carbon tet brought into the US from abroad comes from our northern neighbor, Canada. And as likely as not, most if not all of this material is produced there by an affiliate of a major US maker and consumer of the solvent.

As one trade member sees it, the domestic industry competes on a price basis only with East Germany. And, due to the sporadic nature of shipments from that iron-bound land, only infrequently.

Currently, demand for carbon tet is somewhat slow and there's likelihood that the entire third quarter will be adversely effected—both for the same reason: the slow pace of air conditioner sales, in which the cooling agent is formulated with carbon tet.

It's very necessary that May be a warm month if air conditioner sales are to profit, a trade source says. Of course, making it doubly bad this year is the fact that June has also been a very mild, pleasant month.

Prices for carbon tet are unchanged and likely to remain so for the remainder of this year. Action is not anticipated October 1 because the fourth quarter is normally a slow period.

Ethyl Alcohol—Demand for ethyl alcohol is very strong, and according to comments from trade sources, no slackening off is expected immediately. Noted, for example, is that some if not all producers are operating plants at maximum capacity and that foreign alcohol has been brought into the country in appreciable quantities and ostensibly to supplement domestic requirements since the beginning of the year.

Much of this imported alcohol was not offered as such, however, but was used instead in aldehyde production or in the manufacture of other derivative products. Foreign material reportedly is not up to the quality desired by direct users here and thus has to be upgraded as a general rule.

Large quantities of alcohol are said to be going into toilet goods, including hair sprays and other aerosol cosmetics, and shellac.

A major outlet and one that has excellent growth potential is liquid detergents of the light-duty class. In such products as Liquid Chiffon, Ivory Liquid, and Joy, alcohol is used as the common solvent. Its use in this application has received at least one temporarily serious setback. Recently, a manufacturer substituted water for alcohol in the formulation of a liquid product that is heralded as being extremely kind and gentle to housewives' hands. The substitution, despite the obvious difference in cost between alcohol and water, didn't, however, make the [illegible] uct any cheaper, it's understood. [illegible]s because other ingredients were

Losses felt by alcohol man[illegible]s when the switch was m[illegible]e been compensated for since that time by requirements from some of the leading super market chains who have introduced competitive light-duty detergents under house brandnames, it's said.

Alcohol is not used in heavy duty cleaners, such as Lestoil and Mr. Clean.

Alcohol prices are steady. Thus far, producers have set no July 1 changes and since June 15th would be the cutoff date for announcing such a move according to general trade policy, no action is likely.

2-Ethylhexanol—A report from a usually well-informed trade source last week indicated that supplies of 2-ethylhexanol are just about adequate in light of current consumption. But with an increase in demand for octyl plasticizers, the alcohol's major market, he added, a bit of a shortage could develop.

Prices for 2-ethylhexanol have been steady for several months and no changes are upcoming July 1.

On a delivered basis, current listings are: tanks 21¼c. per pound; carloads 23¾c. per pound; and less carloads 25¼c. per pound.

Ethylene Glycol—Exports of ethylene glycol dropped way below the March level in April. The figures, as reported

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	June 26, 1959
132.19	132.19	132.19	130.49

For Current Prices See Page 9

Aliphatic Organics

by the Commerce department: 18,023,029 pounds versus 1,609,758 pounds.

April exports were valued at $193,728. Biggest shipments went to Japan (1,293,146 pounds), and Australia (118,240 pounds).

Lacquer Solvents—Since several chemicals can be used interchangeably in the formulations of various lacquers, this business remains highly competitive. This helps to explain why producers are not boosting prices July 1, even for those chemicals on which the profit margin is said to be pretty narrow.

Sales of new cars have been increasing over the past few months and the outlook for the remainder of the year is good. This does not necessarily mean that solvents stand to profit, of course. Production of the '60 models is nearly finished reportedly and from here on in, solvent sales will depend to a great extent on how Detroit and the lacquer manufacturers see business in '61.

It's likely, however, that the lacquer manufacturers have little finished inventory on hand, meaning they'll be ready to step up raw materials requirements as soon as the car captains give the nod.

Mannitol—With the addition of new units to existing facilities, a major chemical firm has boosted its mannitol productive capacity by about 30 percent. This is in addition to the 15 percent increase in capacity achieved by greater process efficiency in the latter part of 1959.

Greater production in coming weeks is expected to relieve the critical shortage which has persisted for about ten months.

Oil, Gas Leasing Land Put Up for Bids by Gov't

Bids will be opened July 13 by the Bureau of Land Management for oil and gas leasing of 1,035 acres of land within the Naval Auxiliary Air Station, at Chase Field, Bee County, Texas.

The acreage is being offered in one parcel. The land is under the primary jurisdiction of the Navy and the leases will contain special conditions and restrictions on use and protection of the land, together with certain drilling requirements. Drilling sites will be limited to designated areas.

Ashcraft-Wilkinson Named Agent

Ashcraft-Wilkinson Company, Atlanta, Ga., has been named exclusive sales agent for "Hou-Actinite" (Houston sludge), according ot George W. McCarty, chairman of the firm.

A five-year contract has been awarded to Ashcraft-Wilkinson by the City of Houston, Tex. Sales will be concentrated in Texas and surrounding states, Mr. McCarty says, with a majority of the product going to fertilizer mixers and manufacturers.

Mexico: Importer

—Continued from page 4

only producer of basic and intermediate petrochemicals for further processing by private enterprise, Mr. Trevino pointed out.

But many markets for petrochemicals "are starting to grow to a sizable volume to make manufacturing plants worth considering," he added. Materials cited are methyl chloride, chloroform, ethylene chloride and methylene chloride.

Manuel de lo Poza, of Banco Nacional de Mexico, Mexico City, addressing the same meeting, predicted continued growth of the Mexican market and said the development would be at an accelerating rate.

"One sign of this phenomenon," Mr. de lo Poza said, "is the increase of foreign direct investment which data from the Banco de Mexico shows as having increased 33 percent between 1958 and 1959."

FDA Probe Unit

—Continued from page 3

M. MacLeod department of Research, Medical Hospital of the University of Pennsylvania; K. F. Mayer, George Williams Hooper Foundation, University of California Medical Center; John R. Paul, Yale University School of Medicine; Carl F. Schmitt, Laboratory of Pharmacology, University of Pennsylvania School of Medicine, and Wesley Spink, professor of medicine, University of Minnesota Medical School.

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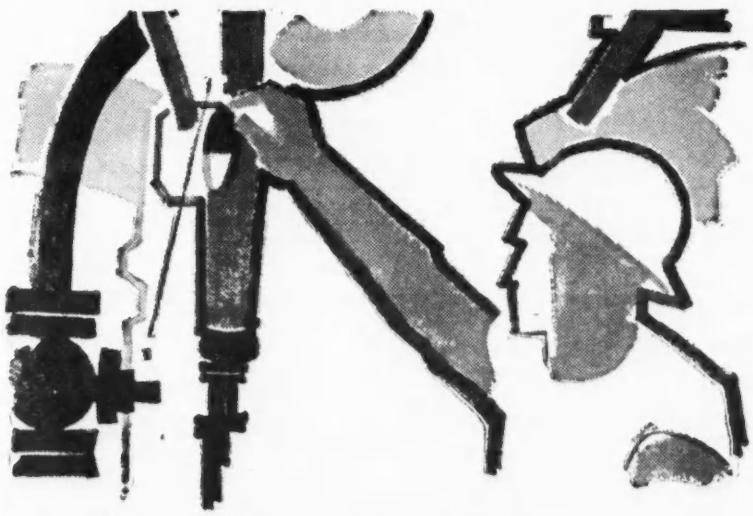

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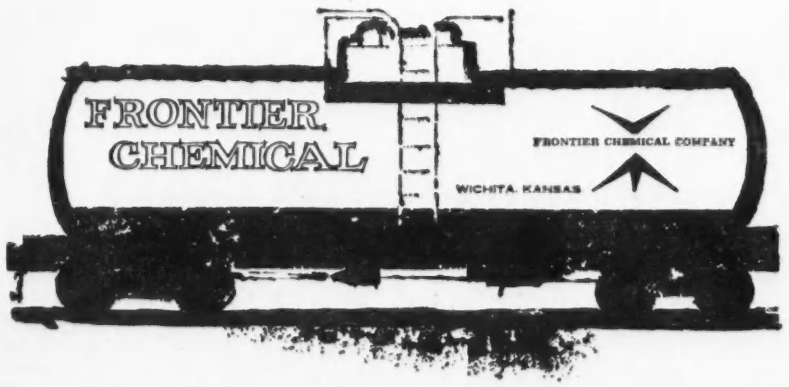

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Obituaries

Moses M. Marcuse

Moses M. Marcuse, chairman of the board of West Chemical Products, Inc., Long Island City, N. Y., died June 20 in New York. He was eighty-five years old.

In 1903 Mr. Marcuse joined the West firm, which was then known as West Disinfecting Company, as vice-president. With his three brothers he acquired a majority stock interest during the next ten years. As president he was subsequently responsible for major developments in the environmental sanitation field. The company is credited with manufacture of the first liquid soap.

He was active with the company until a few days before his death.

Ralph E. Dings, who retired twenty years ago as president of Dings and Schuster, shellac manufacturers, Long Island City, N. Y., died June 23 in Tarrytown, N. Y. He was seventy-five years old.

Joseph C. Hearn, who was sales manager for E. R. Squibb & Sons, New York, a division of Olin Mathieson Chemical Corp. died June 20 in Worcester, Mass. He was seventy-three years old.

Edward W. Sann, jr., manager of the market and product development division of Sohio Chemical, Lima, Ohio, died June 15 in that city. He was forty-eight years old.

Russell D. Twomey, Los Angeles sales representative for Mallinckrodt Chemical Works, died June 11. He was fifty-six years old.

Leonard P. St. Clair pioneer California oil man and a former president of Union Oil Co., died last week. He was eighty-nine years old.

Orthoxylene to Japan

—Continued from page 3

Sinclair would put up a plant with capacity "in excess of 30 million pounds a year" to satisfy Japanese commitments (OPD, 6/6/60).

The company will operate the new unit using a mixed xylene stream. Production and first deliveries are anticipated for the second quarter of 1961.

Sinclair has contracted with the Japanese trading companies Mitsubishi International Corporation, Nissho American Corporation, Ataka New York, Inc., and Toyomenka, Inc., to handle the o-xylene.

The material will be processed by the two largest producers of phthalic anhydride in Japan, Kawasaki Kasei Chemical Industries, Ltd., Tokyo, and Japan Catalytic Chemical Industry Company, Osaka.

Sinclair's announcement of a 66-million-pound contract means that o-xylene capacity in the US, now 76-78 million pounds, will reach 332 million pounds in 1961.

Celanese Fills a Post

Celanese Chemical Co., New York, a subsidiary of Celanese Corporation of America has appointed Robert L. Mitchell to the newly-created position of vice-president in charge of planning. With Celanese since 1947, Mr. Mitchell has been serving for the past three years as director of technical and economic evaluation.

Inhibitor Described Incorrectly

A non-toxic corrosion inhibitor made by Dearborn Chemical Company was described incorrectly in the June 6 issue of OPD. In the Trade Name Chemicals & Specialties market report the material was termed "Dearborn 680." Actually it is "Dearborn 860."

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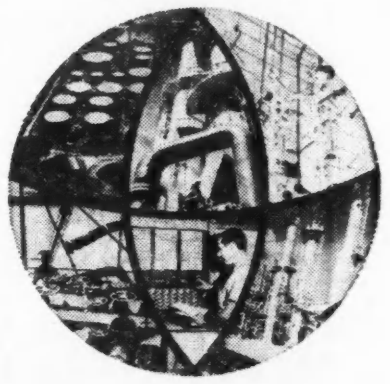

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Petroleum Derivatives

Midyear approaches and it is perhaps appropriate to consider where the market has been and whither it is going. Economic sophists who sounded the clarion of the Soaring Sixties as if January 1, 1960 was *der tag* are perhaps chagrined and disappointed. People in the marketplace who buy and sell, however, know the advent of a new decade is not a panacea—it is just another day of opportunity and business goes on. And business hasn't been too bad most seem to agree. "Of course things could be better," they say, but that has been the standard remark of traders since the days of barter in kind and the caravans.

At press time Friday several price reductions were reported in solvent naphtha, both straight and partial aromatic. The amount of decline may be found in the Price Trend Box on this page while actual quotations will be found on Page 28.

Price Trends

Advanced

None

Reduced

Solvent naphtha, petroleum, straight aromatic, 310°-360° F. b.r. 14°-16° C. m.a.p., tankcars, New Jersey and New York, .1850 to .2c. a gallon.

355°-420° F. b.r., 17°-18° C., m.a.p. tankcars, New Jersey and New York, .1850 to 2c., Houston, 1½c. a gallon.

Solvent naphtha, petroleum, partial aromatic, 319°-380° F. b.r. 27° C. m.a.p. tankcars, New Jersey and New York, .070 a gallon.

322°-395° F. b.r. 28° C. m.a.p., tankcars, New Jersey and New York, .080c. a gallon.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 26, 1959
104.34	104.34	104.34	104.42

For Current Prices see page 9

Aromatic Solvents

Benzene—The first half witnessed the consistent short supply of benzene, a carryover from the extended steel strike last year. Petroleum suppliers of this chemical continued to turn out their full share of material during the last six months, but a number of factors prevented this supply from being adequate for all needs.

First, after a momentary surge in steel orders immediately following the return to the mills, buyers began working off inventories to the extent that steel operating rates tumbled from the area of 90 percent to current figures averaging 61 percent of capacity. Consequently benzene from cokeovens was not on the market in great volume.

Secondly, world demand for benzene rose sharply during this period with foreign buyers bidding 10 to 11c. a gallon above domestic contract prices and 4 or 5c. above domestic spot prices.

What does the second half presage? Most observers predict the second half will be hardly different than the first. If any balance can be struck, the consensus holds, it will be in the fall and even this estimate is not firm. The problem lies in building sufficient inventory so as to be able to guarantee future supplies to meet demands.

Some spokesmen feel petroleum producers will get the chance to build stocks during summer industrial layoffs and thereby remedy the situation. Early auto starts for the '61 models, said to be slated for the first part of August, will not give petroleum sources the respite needed, however, although steel orders from Detroit will mean an upturn in supply from cokeovens.

The question of price is still moot. Some people in the trade feel a hike of 2 to 4c. would be justified and would represent a fair price considering the present state of the market. However, this contingency would not occur until the fourth quarter at which time market conditions may be altered voiding the possibility of any increase.

Toluene—In the first half of the year this solvent closed somewhat. The generally loose position that existed in January firmed within the last few months.

What is occurring here is a return to an apparently normal market picture, one in which neither looseness nor tightness is an outstanding feature.

The hardening of the market is due to stepped up demand in export, aviation gas and wholesale areas. Exports particularly have shown acceleration and as a result the domestic marts have come into a more even balance.

Observers feel the second half of the year should continue this pace with no significant change in the current situation.

Xylene—This solvent was subject to a high level of competition in the first half. Detroit, Chicago and Cleveland were the scenes of rivalry. While contention was indicated in most areas, price fluctuation was absent except in Cleveland. Here skirmishing was noted in the spring when smaller producers began moving material on a spot basis below market levels. The practice did not spread to other Great Lakes cities due to prohibitive freight costs.

The condition in the midwest would appear to continue for the balance of the year with producers and consumers engaged in a competitive scramble.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended June 11, totaled 258,903,000 barrels according to data reported by the Bureau of Mines. Compared with the total of 259,272,000 barrels the preceding week, this represents a decrease of 369,000 barrels, comprising a decrease of 496,000 barrels in stocks of domestic crude and an increase of 127,000 barrels in stock of foreign crude.

Aliphatic Solvents

This entire section of the petroleum derivatives market sustained better all around success than the aromatic solvents in the first half. Estimations are that it will continue to enjoy progress in the second half.

In hexane, although federal farm policies will determine to a large extent the size of the fall crush, the trend has been to extraction through solvents rather than through machine expelling.

As for mineral spirits and other paint elements, the trend to water based paints, expected to be used in increasing amounts in formulations for the 1961 season, does not appear at present to be too serious threat to traditional thinners and bases.

Waxes

Petroleum-derived waxes moved reasonably well during the first half. In microcrystalline, specifically the laminating grades, some snugness was evident from time to time but no serious adverse influence was indicated for the market as a whole. Paraffin waxes were fairly stable.

Supply and demand in this market is more even than in other areas and while occasional highs and lows are experienced the tendency is for waxes to adhere to a plateau rather than to fluctuate.

It is expected the same will be true for the remainder of the year.

LPG's

Growth pattern of these products has been multiplying rapidly since the end of the war. Polyethylene and polypropylene plants are coming on stream in increasing numbers and demand for these materials particularly gratifies producers. In forecasting the remainder of the year there is no indication that this growth will do anything but continually expand.

Most recent production and stock figures are:

Ethane-Ethylene — Production during the period May 16-31 totaled 22,461,000 gallons, an increase of 2,171,000 gallons from the same period last year.

Inventory at plants, terminals, and underground as of May 31 was computed at 913,000 gallons, a decrease of 121,000 gallons from the same date last year.

Propane—A sum of 185,244,000 gallons was reported produced in the last two weeks of May. Increase over the same period last year was 26,674,000 gallons.

Stocks at the end of May numbered 421,838,000 gallons, a decrease of 32,683,000 gallons from the same date last year.

Statistics are from the American Petroleum Institute.

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Agricultural Chemicals

Carryover of fertilizer material into the new fertilizer season seems likely to be heavy this year, according to producers contacted by OPD last week. Bad weather, decreasing farm income, and tighter credit have all combined to up-end the favorable predictions made for the fertilizer year 1959-60. With several price advances scheduled to take effect on July 1, many in the trade expected the usual rush by consumers to beat the deadline for the old listings. The consumer rush has not materialized, at least to the extent of creating a sense of urgency in the supply position of fertilizer materials. Stocks of triple superphosphate and potash salts are reported to be above their usual year-end levels.

Formula feed demand advanced, although the general improvement is reported to be spotty. Quotations for fishmeal and scrap are holding at their lower levels in effect over the past two months. Firming conditions in the fishmeal and scrap market are looked for in the next few weeks as the fishing season of the Atlantic coast gets into full swing. Current listings call for $100 per ton for meal and $96 per ton for scrap, Atlantic and Gulf coasts.

The development of new insecticide has been announced. Known chemically as 0,0-dimethyl 2,2,2-trichloro-1-n-oxyethyl phosphonate is reported to have a low level of toxicity similar to that of malathion and to have an inoffensive or mild ester odor. Preliminary or early production seems to indicate that there is some variation in odor among the batches.

The National Pest Control Association, which announced the development in a recent technical release, states that like other organic phosphate insecticides, the new product has satisfactory stability under conditions pest control operators encounter. It is less stable on alkaline surfaces and under moist conditions. The Association suggests the water-based sprays should be diluted as soon as practicable before their use.

From the testing which has been reported to date, the sponsors are interested in such household pests as houseflies and roaches. The Association reports that a relatively odorless organic phosphate insecticide of low toxicity would be very useful to the pest control industry. Federal registration has not as yet been granted.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	June 26, 1959
109.97	109.97	109.97	111.21

For Current Prices see page 9

July 1 Price Advances

Phosphate rock, 50c. per ton.
Potassium muriate, 3c. to 3½c. per unit K.O.
Potassium sulfate, 50c. to 60c. per ton.
Triple superphosphate, 92c. to $2.90 per ton.

Animal and Plant Foods

Ammonium Phosphates—The Census Bureau reports that the production of ammonium phosphates reached 20,812 short tons in April. This is about 4,000 tons less than the previous month's total of 24,478 short tons.

Stocks at the beginning of April dropped from 28,303 short tons to 18,017 short tons at the end of the month. For April, 1959, the output was 16,720 short tons, with stocks at the end of that month being 9,380 short tons.

Potassium Chloride—According to Custom's, total imports of potassium chloride were 30,242 short tons during April. Suppliers were: France, 17,316 tons ($545,735); West Germany, 5,761 tons ($156,287); and Spain, 7,165 tons ($215,673). Total value of potassium chloride imports during April was estimated by Custom's at $917,695.

Superphosphates—As reported by the Bureau of Census, the total output during April was 242,901 short tons. This marks a decline in production from the previous month's figure when production was 252,501 short tons.

Production of normal and enriched superphosphates also dropped during the month. In April the output was 128,231 short tons, compared to March when production was 133,354 short tons. Stocks on hand at the beginning of the month were estimated at 207,151 short tons, also down from the previous month's total of 209,853 short tons.

Stocks and output of concentrated superphosphates dropped during the month of April. Production went from 82,863 short tons in March to 81,369 short tons during April. Stocks on hand at the beginning of the month of April were estimated to be 77,888 short tons. At the end of the month stocks were reported to be at 56,046 short tons.

Production of other phosphatic fertilizers were 12,489 short tons in April. During March the figure was 11,806 short tons. Stocks on hand at the beginning of the month went from 5,440 short tons to 2,951 short tons at the end of the month.

Pesticides

DDT—Market conditions continue to be favorable for the DDT market. With the exception of some slight weakening in the prices on the export market, listings for DDT hold at their year long listings. Supplies are reported to be in good balance with the outlook for the next quarter termed favorable.

A recent USDA report lists the exports of 75 percent DDT to some principal Asiatic destinations (100 percent basis). India lead the list with 29.9 million pounds in 1959. In 1958, India received 22.5 million pounds from the US. Exports to Vietnam jumped from 105,000 pounds in 1958 to 1,592,625 pounds in 1959. DDT shipments to the Philippines advanced from 44,000 pounds in 1958 to 1,070,210 pounds in 1959. Shipments of DDT to Thailand and Nepal were 152,989 pounds and 138,000 pounds, respectively. Purchases of DDT by the General Services Administration for the International Cooperation Administration's program of malaria eradication amounted to 35.2 million pounds during the 1958-59 fiscal year. Most of this quantity was purchased as 75 percent wettable DDT, only 98,500 pounds being technical. About 45 million pounds of DDT (technical basis) are expected to be delivered by the end of the 1959-60 fiscal year in the ICA program. The United Nations Children's Emergency Fund and the American Sanitary Bureau also use appreciable quantities of DDT in their world health programs.

Superphosphate & Other Phosphatic Fertilizer Production

Following are data compiled by the Bureau of Census indicating superphosphates and other phosphatic fertilizer produced and shipped in the United States, July, 1959, through April, 1960. Included are percentage changes. All material is 100 percent P_2O_5 in short tons.

	1960 Season In short tons 100 percent P_2O_5		1960 Season Percentage change from 1959	
	Production	Shipments	Production	Shipments
Normal and enriched	1,145,978	587,661	—..	— 6
Concentrated	762,443	758,484	+ 8	+ 1
Other phosphatic fertilizers	297,952	286,214	+19	+17
Total	2,206,373	1,632,359	+ 5	+ 1

Trade Name Chemicals & Specialties

Diamond Alkali Company reports development of a new form of anhydrous sodium alkali called "**Flozan.**" The company says the new product is designed to fill modern needs of the household detergent manufacturer and cleaning compound trade. Testing by the company and consumer research facilities indicates that the product will absorb liquids, such as nonionic surfactants, up to 30 percent of its weight while still remaining apparently dry and flowable. "**Flozan**" resists the usual tendencies of related ingredients to compact through handling or agglomerate while in storage, Diamond says.

The use of urea as a feed supplement has continued to gain favor as feed manufacturers and livestock feeders alike have come to realize that the material forms an economical, partial substitute for pre-formed protein in rations for ruminating animals. Since the protein in feed ingredients contains an average 15 percent nitrogen, the 42 percent nitrogen in urea is equivalent to 262 percent crude protein. In comparison, soybean oil protein has a nitrogen content of about 7 percent or 44 percent crude protein. It should be kept in mind, however, that a direct comparison of crude protein content of urea and soybean oil meal cannot be made in as much as the nitrogen in urea must be subjected to microbial action before it can become available for use. If an excess of urea is fed, it is excreted without benefit to the animal. On the other hand, the nitrogen in soybean oil meal and other feeds is present in the form of protein and precursors of protein which can be used by the animal, so that even when an excess of such feeds is fed, they are not wasted.

Although toxicity from urea in ruminant rations is uncommon, it has occurred as a result of faulty practices such as allowing the animal unrestricted access to the urea premix, inclusion of urea premix in feeds at improper levels and incomplete mixing or lumping of the premix.

WHAT'S REPORTED ON HERE

Though coverage in the Trade Name Chemicals & Specialties market report encompasses twenty classes of chemicals, only a few of them are mentioned in this issue. Here's the entire list:

Adhesives, antibacterials and fungicides, antifoaming agents, antioxidants, antistatic agents, blowing agents, catalysts and accelerators, chelating agents, chemically processed oils, emulsions and latexes, enzymes, fatty acid derivatives, feed supplements, filtering materials, ion exchange resins, surfactants, synthetic waxes, textile chemicals, thickening and suspending agents, and ultraviolet absorbers.

If you have suggestions for any additional materials that might be included in this section, write OIL, PAINT AND DRUG REPORTER'S Technical Editor, 30 Church street, New York 7.

Anti-Bacterials and Fungicides

"**Vancide BN**" is marketed by R. T. Vanderbilt Company, Inc., as a bacteriostat for use in soaps, shampoos, shaving creams and cosmetics as well as a sanitizing agent for use in self-sanitizing floor wax.

Chemically, 2,2' thiobis (4,6-dichlorophenoxide), the product is supplied as a fine crystalline powder, white to light pink, with a 96% minimum assay. Molecular weight of the compound is about 409 and pH of 1% solution is 9.3.

For cosmetic and shaving cream formulations to be used on the skin without dilution, the company recommends 0.25 percent to 1 percent "**Vancide BN**" by weight of the total formulation. In self-sanitizing floor wax a concentration of 0.125 percent by weight is suggested and for regular liquid soap and shampoo products 1.5 percent to 2 percent, based on anhydrous soap content should be used. In surgical liquid scrub soaps, the concentration is raised to about 3 percent to 5 percent.

"**Vancide 89RE**" is a purified product for use in pharmaceutical and cosmetic products where germicidal activity are desired. The material has an average particle size of 6.5 microns, sp.g. of 1.7 and molecular weight about 300. Melting range is 171 to 175 degrees C. and pH of a 1 percent dispersion is 4.5.

The product is indicated for use in formulations designed to combat dandruff, athlete's foot, dermatitis and other skin diseases caused by bacteria and fungi. The company reports that it should be useful in powdered hand soaps, creams, lotions, suspensions, ointments and other powders where germicidal activity is needed. "**Vancide RE89**" is reported effective both in solution and as a discrete particle.

Vikon Chemical Company, Elon College, North Carolina, markets "**Vikol 640**" and "**Vikol PA-64,**" antibacterial agents to produce purifying antibacterial and antifungal finishes on a variety of garments and other fabrics. The products are used to control development of odor and perspiration, the company reports.

"**Vikol PA-64**" is reported stable in the presence of most finishing ingredients which may precipitate products with more sensitive emulsifying systems designed primarily for the durability of their effect. The product can be mixed in with other ingredients of the finish formula and applied at the same time without necessity of a separate bath. If subsequent curing is required to reach resinous materials or other reactive reagents in the finishing formulation, it will not harm the effectiveness of the "**Vikol PA-64,**" Vikon says.

Feed Supplements

Although urea was the first synthetic organic material ever to be compounded, its wide use in agriculture is comparatively new. As a feedstuff for ruminant animals, the material is supplied as a white, crystalline, water-soluble, non-protein nitrogen compound which resembles common salt in appearance. Commercial feed-grade urea is usually standardized to 42 percent nitrogen content by the addition of limestone or kaolin.

The nitrogen in urea must be subjected to microbial action before it is available for use as food protein. Thus urea has no value for animals, such as swine and poultry, which have a simple digestive system. However, farm animals such as cattle, sheep and goats are able to preferment food in a complex rumino-reticular sac prior to digestion in the remaining portion of the digestive system. It is this pre-fermenting action which enables ruminants to utilize urea in their diet.

American Cyanamid Company manufactures "**Cyrea,**" urea feed compound, at the company's Hamilton, Ont., urea plant. The material is a micro-prilled product with non-caking and non-bridging properties and controlled particle size to insure uniform distribution in feeds. The company reports that particular care is taken to avoid lead contamination in the finished urea product. Therefore, the linings of the autoclaves and associated accessories used in production are silver plated to minimize corrosion and insure a pure product. Cyanamid feels that urea has a well established place in the feed industry as a partial subtitute for preformed protein in rations for ruminating animals. From the standpoint of the livestock feeder and the feed manufacturer, the use of urea is justified. More important, the company points out, is the fact that urea feeding is based on sound nutritional principles.

A relatively new product from Cyanamid is "**Nitrophenide-20,**" a premix of 20 percent in nitrophenide for the prevention of losses from coccidiosis in growing chickens. The company suggests that a 0.02 percent concentration of nitrophenide be used in feed for broilers and replacement pullets. Broilers may feed from start to market day without a withdrawal period required. Replacement pullets feed from start until immunity to coccidiosis is established, usually about 10 to 12 weeks, but may be fed up to 16 weeks. Although not recommended for layers in production, the company reports the product has no detrimental effect on egg production and quality. The material is also compatable with other feed additives.

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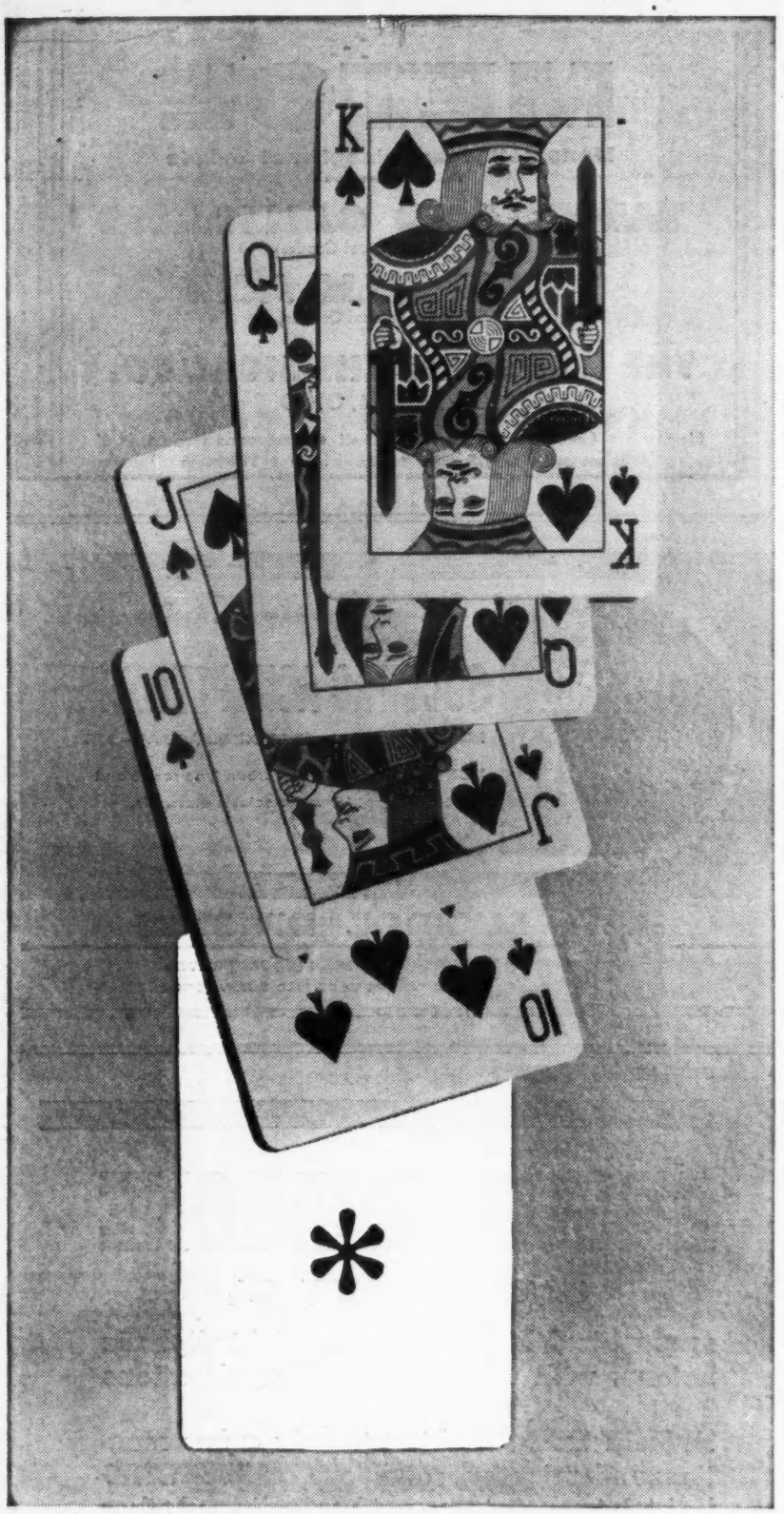

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KOPPERS COAL CHEMICALS

Coal Chemicals

Reports during the second quarter echoed those of the first three months. Business was good, but not as good as had been anticipated. Volume was maintained, but profits were off. Competitive pressures kept a tight leash on prices. These and similar comments were repeated last week as chemical makers prepared to move into the third quarter of 1960. The supply picture is unchanged.

Phthalic and maleic anhydrides, naphthalene and fumaric acid are in tight supply. The benzene market is strong and expected to stay that way.

Producers will establish prices on drum quantities of fumaric acid and maleic anhydride at ½ cent per pound over the bagged price on July 1. The change is nominal when considered against the background of sharp price drops which took place on both these items at the beginning of the year. Fumaric dropped 4½ cents a pound and maleic 5¼ cents on January 1.

A petrochemical producer reported a unit for production of o-xylene from a mixed xylene stream would be constructed at Houston, Tex. The facility is expected to be completed by the first quarter of 1961. The company is reported to have already contracted with Japanese consumers for 66 million pounds of o-xylene to be used in the production of phthalic anhydride.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	June 26, 1959
118.40	118.40	118.40	118.54

For Current Prices see page 9

July 1 Price Advances

N-Ethyl-alpha-naphthylamine, 2c. per lb.
Fumaric acid, dms., ½c. per lb.
Maleic anhydride, dms., ½c. per lb.
a-Naphthol, 2c. per lb.
a-Naphthylamine, 2c. per lb.
Naphthalene, crude and refd., 1c. per lb.*
Nevile and Winthers Acid, 10c. per lb.
p-Nitroaniline, 2c. per lb.
Phthalic anhydride, 2c. per lb.†
Salicylic acid, tech., 1¼c. per lb.
Sodium naphthionate, 2c. per lb.
Styrene monomer, tech., 29/100c. per lb.

* Single producer. † Two producers.

Committee on Foreign Relations of American Iron and Steel Institute reported world steel ingot production in 1959 rose some 12 percent over the low 1958 volume, reaching a record level of some 335 million net tons. For the free world including United States, at 233 million tons, production was some 11 percent higher than during 1958.

Total free world trade in steel also showed an improvement over 1958, rising to an estimated 32.5 million tons for a gain of 7 percent. The increase for the free world other than the United States, however, was closer to 13 percent, reflecting in large measure the sharp rise in free world exports of steel to the United States and the decline of United States exports as a result of the strike.

A chemical engineering firm has come up with a process for direct oxidation of benzene to phenol. The method would reportedly produce no by-product material for sale, as in some other methods, and would make economically feasible construction of smaller package plants at a low capital investment.

The American Iron and Steel Institute estimated that steel production in the week ended June 26 would amount to 61 percent of theoretical capacity equivalent to 1,739,000 net tons of steel. Output in the previous week was 1,775,000 tons, 1,870,000 in the comparable week one month ago and 2,486,000 net tons in the corresponding week one year ago.

Basic Products

Benzene—A lower steel operating rate will result in less benzene from coke-oven operators over the summer months. However, a note of optimism is sounded in steel producers projections that consumers should begin ordering again by August. In the meantime, the tight supply position on benzene will be extended into the fall months at least. Pricewise, the market is very strong.

Imports have been lower with the exception of lots previously contracted for. April report of the Census Bureau showed no imports of benzene. Imports in the first four months of the year totaled about 10 million gallons, 5.7 million less than in the four-month period last year. On the other hand, exports of benzene for the four-month period this year ran to 7.5 million gallons, an increase of 4.4 million over the comparable period last year.

Naphthalene—Market supply remains tight. Extra capacity from the petroleum industry will total about 225 million pounds when plants now building come on stream.

A major supplier will advance naphthalene prices 1c. per pound across the board on July 1. Crude 78 degree material will list at 6c. per pound, tankcars, works.

Phenol—Demand continues fairly brisk, sources report. Suppliers are able to meet consumer requirements without delays in shipping. Export demand remains good. Most major producers have instituted expansion or de-blocking programs within the past year and a half. Output of natural and synthetic phenol in the first quarter ran to 198.2 million pounds, a gain of 33.7 million pounds over first quarter last year.

An engineering firm reported development of a process for production of phenol by direct oxidation of benzene to phenol. The process would require a low capital investment and make possible smaller package plant installation, the company says. In addition, the process is said to produce no by-product material for sale.

Toluene—Market has firmed somewhat with an increase in seasonal requirements. However, trade sources indicate that material is adequate to fill trade requirements. Price is unchanged from previously reported levels.

Xylene—A petrochemical producer will construct facilities at Houston, Tex., for separation of o-xylene from a mixed xylene stream. The unit is expected on stream by early 1961. The company has already contracted with Japanese consumers for 66 million pounds of o-xylene, it is reported.

Intermediates

1-Amino-7-naphthol—Price of this material will be increased from $6 to $8 per pound, effective July 1 on spot and contract. Chemical is priced on a 100 percent basis.

2,6-Dichlorobenzal Chloride—A major producer will increase the price of this material 30c. per pound, effective July 1 on spot and contract. The new price will be $2 per pound.

The company points out that since considerable potential exists for this product as an intermediate in agricultural chemicals, this price is subject to further review should large-scale usage develop.

N-Ethyl-alpha-naphthylamine — Price will advance 2c. a pound on spot and contract, effective July 1. The new price on technical material will be $1.04 per pound.

p-Cresol—Supply and demand remain in balance. However, there is no great amount of inventory in consumers' or producers' hands, according to trade reports. Some occasional delays in shipping are reported, but no one is really hurting as far as p-cresol is concerned. Prices are unchanged from levels of long standing in the trade.

2,6-Di-tert-butyl-p-cresol—The market has continued under a heavy cost-price squeeze as a result of precipitous price drops during the past year or so. At the same time, producers feel, the competitive nature of the antioxidants market makes it extremely unlikely that prices will rise to their former levels. In addition, a 57c. carload-truckload price on technical DBPC may serve to open up new market areas for the chemical. Thus, increased demand would raise production and lower costs, sources point out. Raw material,

Coal Chemicals

p-cresol, is in balance with only occasional delays in shipping reported.

Fumaric Acid—A ½c. per pound price advance is slated for July 1 on drum quantities of fumaric acid.

New price on carload or truckload lots of fumaric acid packed in 250-lb. fiber drums will be 23¼c. per pound while less carload or less truckload price, same packing, will be 24¾c. per pound. Price in 50-lb. bag packing will be ½c. per pound less across the board. Listings are on a freight equalized basis.

Maleic Anhydride—Price in drums will be raised ½c. per pound on July 1. Listing in bulk and in bags will remain unchanged.

New truckload or carload price in 250-lb. fiber drums will be 24c. per pound, while less carload or less truckload quantity will be 25½c. per pound. Price in bulk will be 22½c. per pound and in 50-lb. bags, listings will be ½c. per pound less across the board. All prices are quoted on a freight allowed basis.

2,7-Naphthalenedisulfonic Acid — Technical, disodium salt will be increased in price by 14c. per pound, effective July 1 on spot and contract. Under new schedules, this material will list at $1.20 per pound.

alpha-Naphthol — Price will be raised 2c. to $1.02 per pound, effective July 1 on spot and contract.

alpha-Naphthylamine — Material will advance 2c. per pound to a level of 52c., effective July 1 on spot and contract.

Nevile and Winther's Acid—The price of this material (1-naphthol-4-sulfonic acid) will be increased 10c. a pound from $1.30 to $1.40, effective July 1 on spot and contract.

p-Nitroaniline—Market for para isomer will advance 2c. per pound on July 1. Ortho and meta isomers are unchanged in price.

Under new schedules, carload-truckload price of p-nitroaniline will be 44½c. per pound and less carload drum lots will be 46½c. per pound. Prices are on a freight allowed basis.

Styrene Monomer—Market for technical material for use in the rubber industry will advance 29/100c. per pound across the board on July 1.

Under new schedules, bulk price will be 12.51c. per pound; carload or truckload of drums, 15.01c. per pound; less carload or less truckload quantity in drums, 17.01c. per pound. Prices are quoted on a freight allowed basis. Polymer grade remains unchanged at levels of long standing in the trade.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ended June 26, was as follows:

Ammonia liquor	lbs.	550,032
Ammonium sulfate	lbs.	23,131,929
Benzene	gals.	2,230,688
Coaltar	gals.	12,192,390
Crude chemical oil	gals.	356,502
Solvent naphtha	gals.	71,300
Toluene	gals.	499,103
Xylene	gals.	142,601

Ultra Advances Two

Ultra Chemical Works, Inc., a wholly owned subsidiary of Witco Chemical Co., New York, has elevated Richard M. Young to vice-president in charge of sales and Dr. Carlo Giraudi to vice-president and technical director. In the latter post Dr. Giraudi will be in charge of Ultra's research, engineering and technical staff.

Heyden Newport Post to Keltz

In the Jobs & People column of the June 13 issue, OPD incorrectly stated that Robert J. Keltz had been appointed to a position with Hercules Powder Company. Actually, Mr. Keltz is with Heyden Newport Chemical Corporation and was named manager of the Philadelphia-Wynnewood sales office of the New York-based company's chemical division, serving the middle Atlantic states.

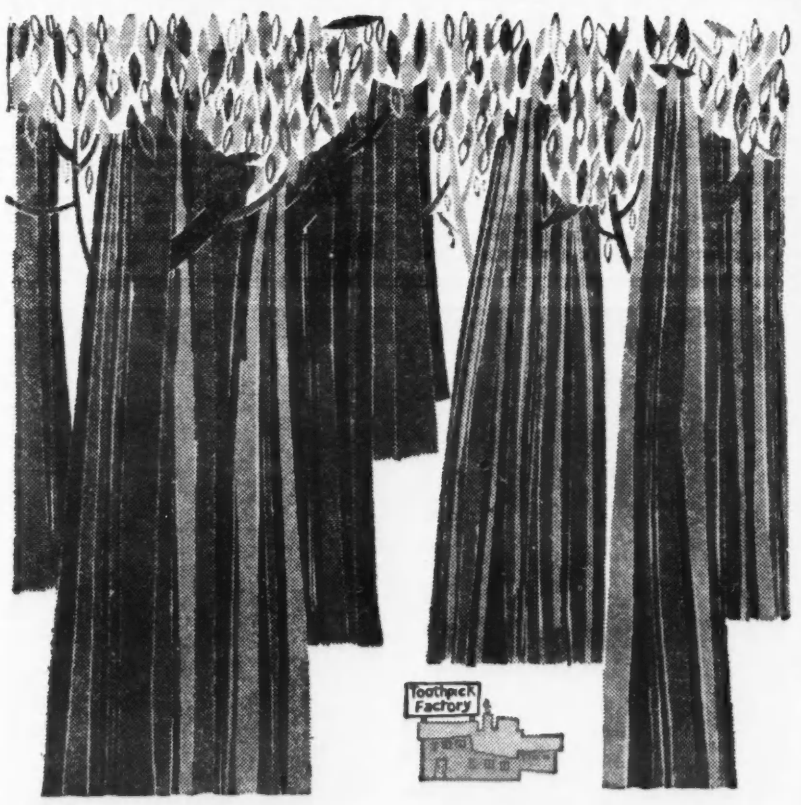
Chemical Units O'seas

—*Continued from page 5*

rope, Chemico says. Its design is reported to feature a substantial reduction in operating costs resulting from reduced power requirements.

In the British unit, feedstocks will be reformed to carbon dioxide, carbon monoxide and hydrogen in ratio that will allow for high pressure synthesis of methanol. The finished product is expected to end up in resins, antifreeze and various esters and solvents.

The British facility will be the sixth of its type designed by Chemico.



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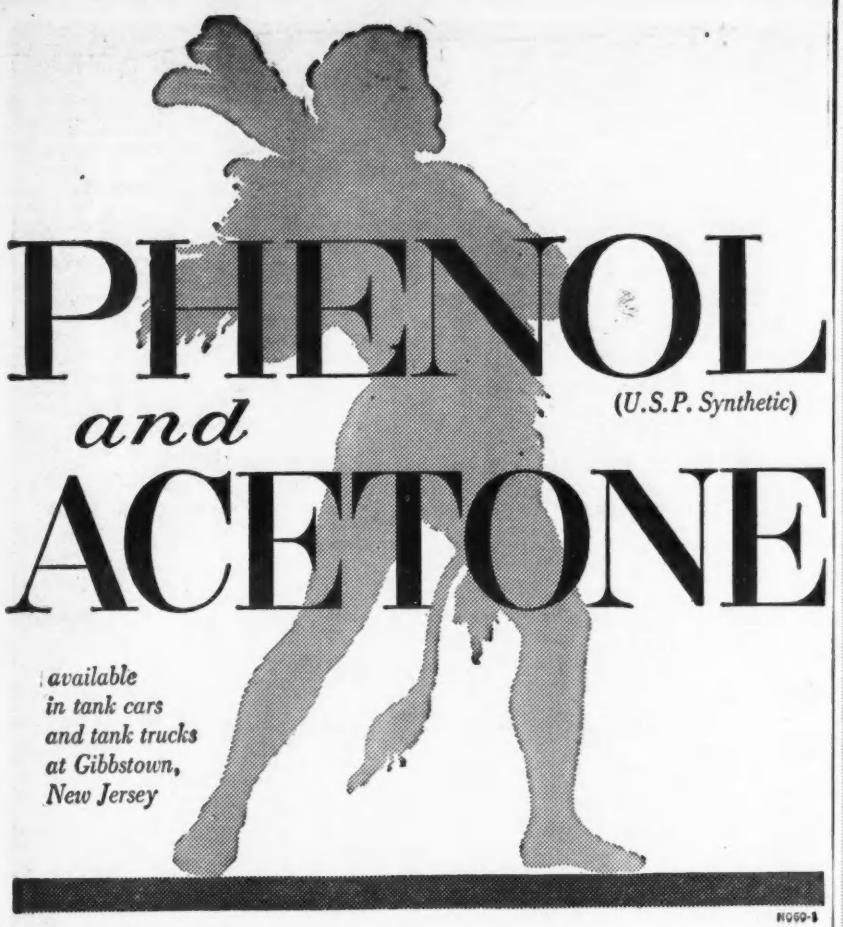

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Jobs & People

American Cyanamid Company, New York—**Gailon C. Fordyce,** assistant director of purchases for Cyanamid, has been elected president of the Purchasing Agents Association of New York.

Hercules Powder Company, Wilmington, Del.—**L. W. Babcock,** a member of the board of directors, will retire at the end of July after forty-three years of service with Hercules.

Metal Hydrides, Inc., Beverly, Mass.—**John N. Robinson** has been appointed to the technical service engineering staff.

Roche Laboratories, a division of Hoffmann-LaRoche, Inc., Nutley, N. J.—**Ted D. Preston** has been appointed product manager.

Pennsalt Chemicals Corporation, Philadelphia—**Julian B. McFarland** has been named manager of the Houston, Tex., plant of the industrial chemicals division.

Shulton, Inc., New York—**Frederick C. Visor** has been appointed product manager of the pharmaceutical division.

Texas Butadiene & Chemical Corporation, New York—**James C. French** has been appointed manager of market research for the polychemicals department of the company.

United States Testing Company, Hoboken, N. J.—**Dr. Robert C. Putnam** has been named chief chemist.

Phenol Output

—Continued from page 5

the hitherto untried toluene oxidation process.

Including the projected toluene oxidation route, there are five commercial methods of producing phenol. The four others are:

- Benzenesulfonate—whereby benzene, sulfuric acid and caustic soda react and form phenol and sodium sulfites and sulfates. The process is used where phenol plants are near paper mills which would consume the sulfites.
- Chlorobenzenes—whereby chlorinated benzene is reacted with caustic soda and hydrochloric acid to get phenol, salt and recycled diphenyl oxide. An essential: low-cost chlorine.
- Raschig—here, benzene, air, water and hydrochloric acir are reacted to produce phenol . While it apparently takes a large, continuous operation for this process to be economical, an advantage is that less than 0.1 pound per pound of phenol is produced as a byproduct (chlorobenzenes, dihphenyls, waste tars, etc.).
- Cumene peroxidation—whereby cumene is oxidized to yield phenol and acetone. The latter obviously must have a ready market in this process.

Hence, in all commercial processes with the exception of Dow's toluene oxidation, byproduct materials can sometimes present a pesky problem—of pollution if nothing else.

But Dr. Landau says specifically that "in effect, the process makes possible the direct oxidation of benzene to phenol."

Beryllium Ore Deposit Discovered by Vitro Corp.

A significant deposit of new beryllium ore has been discovered by Vitro Corporation of America, the New York company reports. Site of the discovery is the Topaz Mountain area of Utah, approximately 150 miles from Salt Lake City.

Development of the beryllium industry is said to have been limited by the mineral's short supply and high cost. The material is being used in nuclear, missile and space industries because of its high strength and light weight. Current production of beryllium is from the mineral beryl, which is picked by hand from pegmatite formations.

Explosives Transport Bill

—Continued from page 3

Railroads has been performing the technical job of screening industry requests for changes in ICC regulations covering the transportation of explosives. It has been a service organization for industry, the railroads and the ICC.

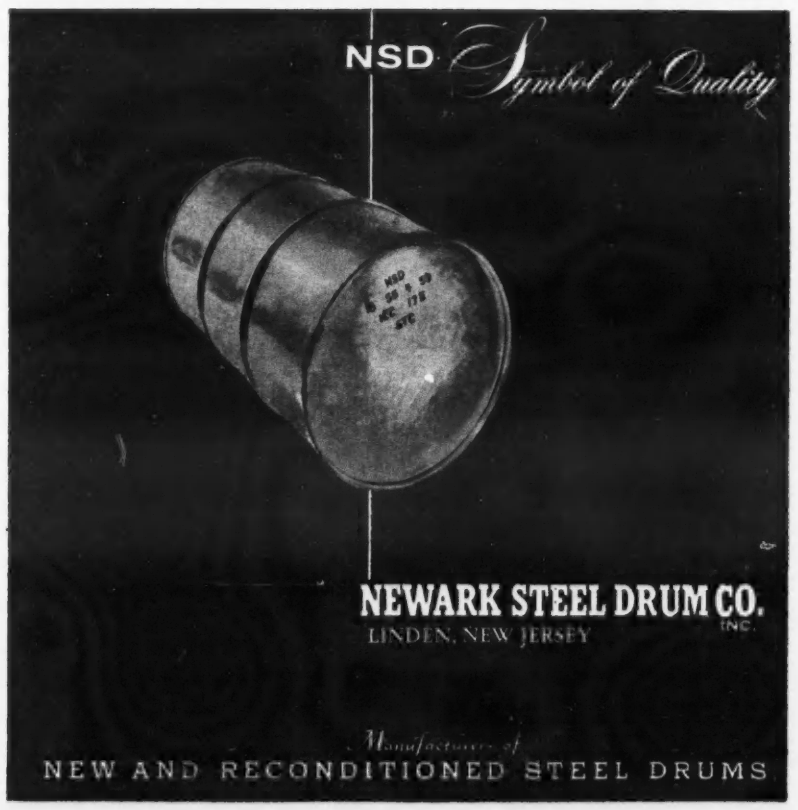
Because the proposed new law failed to mention the bureau by name but gave the ICC authority to seek advice from any carrier or shipper association, industry complained that the bureau was being downgraded and that its usefulness would be impaired.

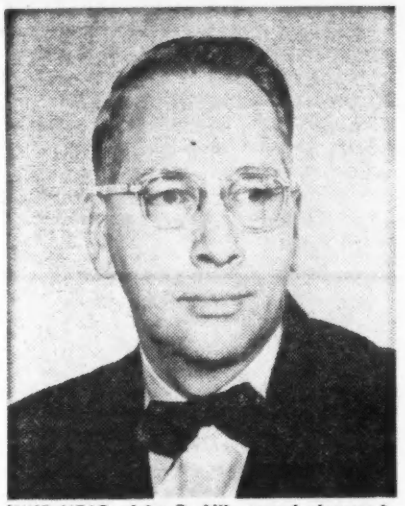
Their testimony was effective. Committee members decided the new law should refer specifically to the bureau as one agency whose services might be utilized by the commission and amended the bill accordingly.

The other important change made by the committee restores language of existing law that a defendant can be convicted of violating the law only when he did so "knowingly."

ICC wanted to make conviction easier by having the law provide simply that the defendant need only be "aware" of the existence of the law or regulation of the commission.

A third change bolsters the legal defense of violators. For the first time it is proposed by the bill to give the ICC power to issue subpoenas to obtain evidence in its investigations, but the committee stated that whenever these powers are used by the commission, it must apprize the persons, against whom the subpoenas are issued, of their constitutional rights.





UNIT HEAD: John R. Lill, named vice-president of J. N. Huber Corporation, New York. He will continue as chemical division head.

Methylcarbamate Pesticide Gets FDA Tolerance Okay

Residue tolerances for the pesticide chemical 1-naphthyl N-methylcarbamate in or on corn and corn fodder and forage have been approved by the Food & Drug Administration.

Approval was at the request of Union Carbide Chemicals Company, New York, made in a petition filed under the pesticide tolerance law. The tolerances approved are 40 parts per million for the chemical in or on corn fodder and forage, and 5 parts per million for the chemical in or on corn.

Kefauver's Drug Licensing

—Continued from page 3

drugs has been referred to the senate labor and public welfare committee for consideration. Reports that this committee might move towards early consideration of the bill by the way of holding hearings sometime during the adjournment so that action could be had early next session, proved unfounded, however.

The bill is being given close study by drug manufacturers and the industry will be ready to respond if and when the committee decides to hold hearings. Hurried examination of the bill indicates that its preparation had been rushed by the chairman, for some of its provisions appear to be contradictory, and others need clarification.

One question being asked in the industry is how the senator proposes to handle the problem of drug manufacturers who produce both prescription drugs and over-the-counter drugs. Such producers would be at a competitive disadvantage with other producers limited in operation to over-the-counter drugs.

Another question being asked is whether the aim of the legislation would be to slow down the FDA program of putting drugs on over-the-counter sale as experience gives evidence of safety in use.

The Kefauver bill goes considerably beyond the mere licensing of the ethical drug manufacturers. It also seeks to modify the new drug law, broaden the factory inspection provisions of existing law, and strengthen controls over labeling.

The change proposed in the new drug law would require manufacturers seeking clearance of new drugs to show to the FDA's satisfaction that the drugs are efficacious as well as safe. The change in labeling makes it an offense to label falsely or mark any package or container of any ethical drug, or to alter the label so as to make it false.

Great Power for HEW Chief

The section of the bill providing for licensing the industry gives the Secretary of Health, Education & Welfare almost unlimited powers to grant or deny licenses. It states:

"Licenses for the maintenance of establishments for the propagation or manufacture or preparation of products described in subsection (a) of this section may be issued only upon a showing that the establishment and the products for which a license is desired meet standards, designed to insure the continued chemical structure, strengthening, quality, purity, safety and efficacy of such products, prescribed in regulations, and licenses shall be issued, suspended and revoked as prescribed by regulations and all licenses issued for the maintenance of establishments for the propagation or manufacture or preparation, in any foreign country, of any such products for sale, barter, or exchange in any state or possession shall be issued upon condition that the licensees will permit the inspection of their establishments in accordance with subsection (c) of this section."

Chemical Dividends

—Continued from page 3

of Commerce, show that the chemical industry was following the trend of industry generally, which reported cash dividends for the first five months of $4.5 billion, an increase of 7 percent over the same period last year.

The department said that cash dividends of the oil refining industry totaled $4 million in May as against $3.7 million in May last year, with the comparative totals for the first five months being $361.5 million and $372.2 million, respectively.

The paper and printing industry paid out $10 million last month and $9.2 million a year ago. The total for this group this year was $94.8 million against $92.2 million in 1959.

Coccidiosis Drug Described

"Mepyrium," the coccidiosis drug just announced by Aries Associates, Stamford, Conn., is an amino pyrimidine, rendered soluble by quarternization with picoline. Chemically it is 1-(2-propyl, 4-amino, 5-pyrimidyl methyl) - 2 - methylpyridiniun chloride hydrochloride.

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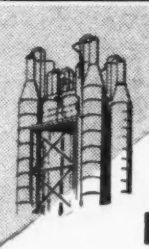

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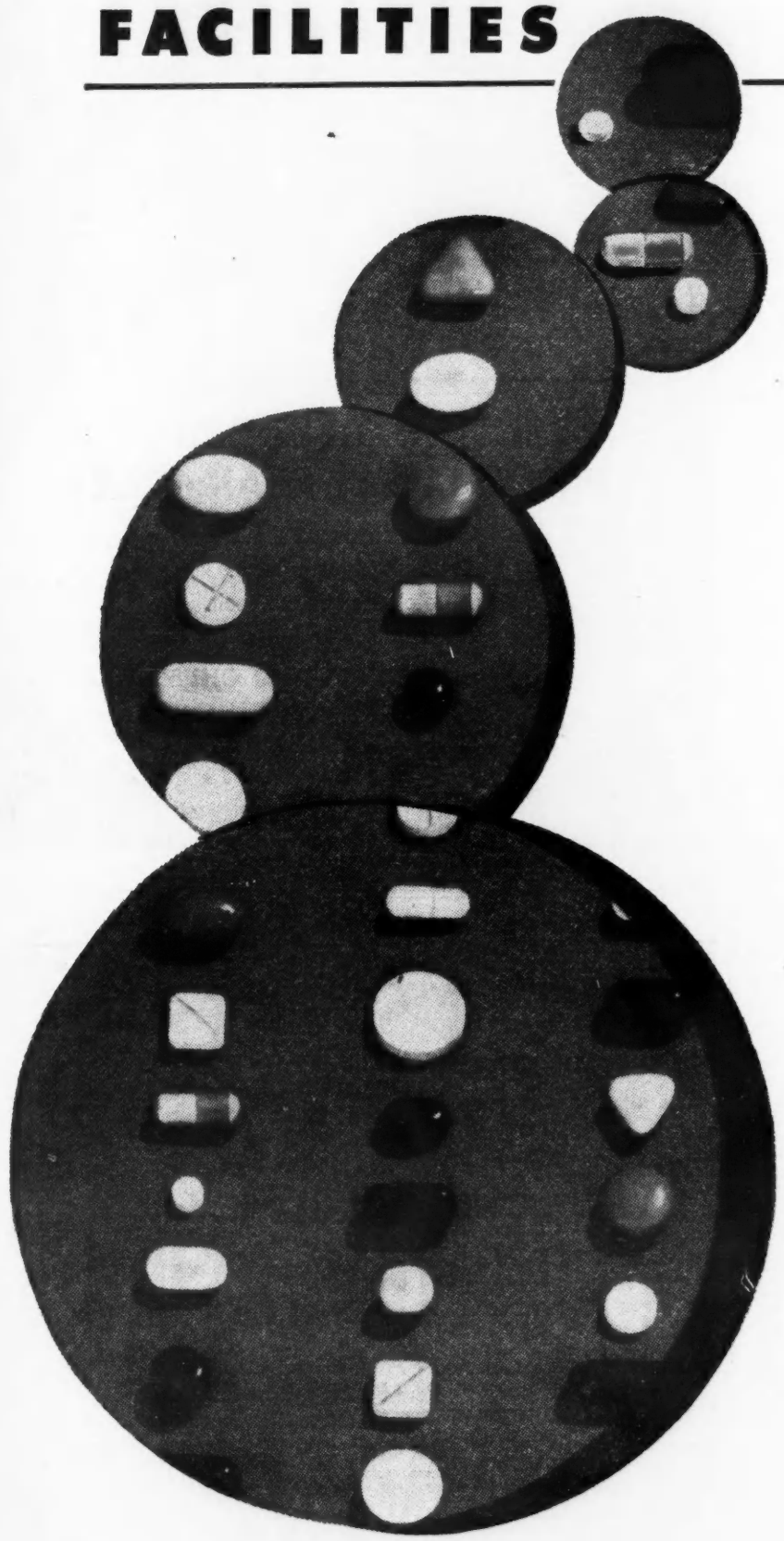

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Drugs, Fine Chemicals

Cream of tartar and tartaric acid, subjects of a long, drawn-out dispute between importers and a domestic maker more than a year ago that was eventually decided by the President who refused a request to raise the tariff wall, as recommended by the Tariff Commission, once again figure in the news from Washington. The State department proposes to cut duties on both chemicals to member nations of GATT. Chances are good that the department will have its way. There are no domestic manufacturers of either tartaric acid or cream of tartar to protect, and it seems the only ones likely to profit are US users of the chemicals who now absorb part of the duty charge.

On the negative side, there is, of course, one argument. Citric acid producers could argue that a lower duty on tartaric might cut into their business. Predicated on a cheaper product, tartaric might be able to compete favorably with citric for the carbonated beverages market, as well as pharmaceuticals of the upset-stomach-reliever variety. The latter, reportedly, was at one time a rather large volume market for tartaric.

"Les-Cav," a liquid fluoride preparation for the prevention and reduction of tooth decay, is now available on prescription by physicians and dentists in eight states where water fluoridation reportedly is deficient. The states are New York, New Jersey, Oregon, Washington, Massachusetts, Nebraska, Michigan, and Southern California.

In communities in at least some of these states, water fluoridation has been discussed by PTA's and other interested groups but extremely vocal opposition has delayed or prevented its introduction. "Les-Cav," the manufacturer says, introduces an era when the question is taken out of politics, making possible a free choice for the individual family, their physician or dentist.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	June 26, 1959
59.92	59.92	60.24	60.49

For Current Prices See Page 9

July 1 Price Advance

Aspirin, 1c. per lb.
Sodium hypophosphite, 2c. per lb.
Salicylic acid, USP, 1¼c. per lb.

Aspirin—Aspirin prices were boosted 1c. per pound across the board on spot last fortnight, and will be advanced similarly to contract customers this Friday, July 1. The move, which is believed to be industry-wide (producers, major distributors, etc.), will likely boom demands for the remainder of the week as buyers, following the traditional pattern, scurry to get under the price wire.

Up until the price change was announced, aspirin demands were very strong. This was due primarily to the fact that tableters usually attempt to build inventories prior to plant vacation shutdowns. Another factor, its importance not accessed, was that a leading tableter had scheduled a big advertising push for the summer months.

Indicating that demands may still continue stronger than usual is a report, unofficial and unconfirmed, that a second tableter, not to be outdone by its competitor, is also planning a warm-weather drive to pep-up aspirin sales.

Although demand for their product is excellent, bulk aspirin producers find the profit margin slim. According to one firm, increased costs of labor, raw material, and freight have been absorbed since the last change in 1957. Noted at the same time was that there has been no significant increase in aspirin schedules since prices recovered from the low levels imposed by government controls during World War II.

Atropine—According to reports from several dealers here, atropine sulfate is a bit tight, but as interest is no better than routine at this time, prices do not reflect this.

Quinine—Demand for quinine salts here is slow and spotty, according to reports from dealers. Prices, however, are unchanged at levels established at the end of March, following notification of price advances from suppliers in West Germany and The Netherlands.

Quinine sulfate is quoted at 25.75c. per ounce in 1,000 ounce lots, quinine hydrochloride at 30.30c. per ounce, and quinine bisulfate at 23.30c. Quinidine sulfate is quoted at 74½c. per ounce. The alkaloid is quoted at 31.05c. but there's no demand for it, dealers say.

Reflecting the poor demand pace domestically, imports of quinine sulfate have fallen off. In fact, for the past several months, according to Commerce department statistics, no quinine sulfate has been brought in.

Imports of quinidine and salts in April totaled 92,929 ounces. The value was $66,057. Shipping here were West Germany (47,576 ounces at $35,396), and The Netherlands (45,353 ounces at $30,661).

Imports of "salts and alkaloids from cinchona bark" amounted to 152,746 ounces, valued at $47,428, in April. This material came from West Germany (84,582 ounces, valued at $34,904) and The Netherlands (68,164 ounces at $12,524).

Salicylic Acid—Announced simultaneously with the 1c. per pound advance in aspirin prices a fortnight ago was a uniform 1½c. per pound boost in salicylic acid schedules, which was to be effective immediately on spot and July 1 on contract. In explaining the move, a producer cited higher operating costs, all of which have been absorbed for several years.

Tartrates—Little if any opposition to the tariff reductions which the State department proposes to extend to member nations of GATT is anticipated. Foremost among several reasons for holding this view, a trade source says, is that there is no domestic production of either tartaric acid or cream of tartar, and consequently, no domestic industry to protect, ostensibly the purpose of the tariff wall.

A second reason why the duty cuts will probably go unopposed is that US consumers of the chemicals will be able to effect a savings on raw materials, thereby reducing the cost of their end-products. Now, of course, they are absorbing a part of the duty charges.

On the negative side, it could be argued that a lower duty would be deleterious to the domestic citric acid business. This, to be sure, is speculation and the argument may not hold up at all.

It would be theoretically possible, it's understood, for tartaric, if priced more in line with citric, to compete with the latter for the carbonated beverages market. It might also recoup some other business, in the over-the-counter pharmaceutical preparations field, for example, that it has lost to citric in recent years.

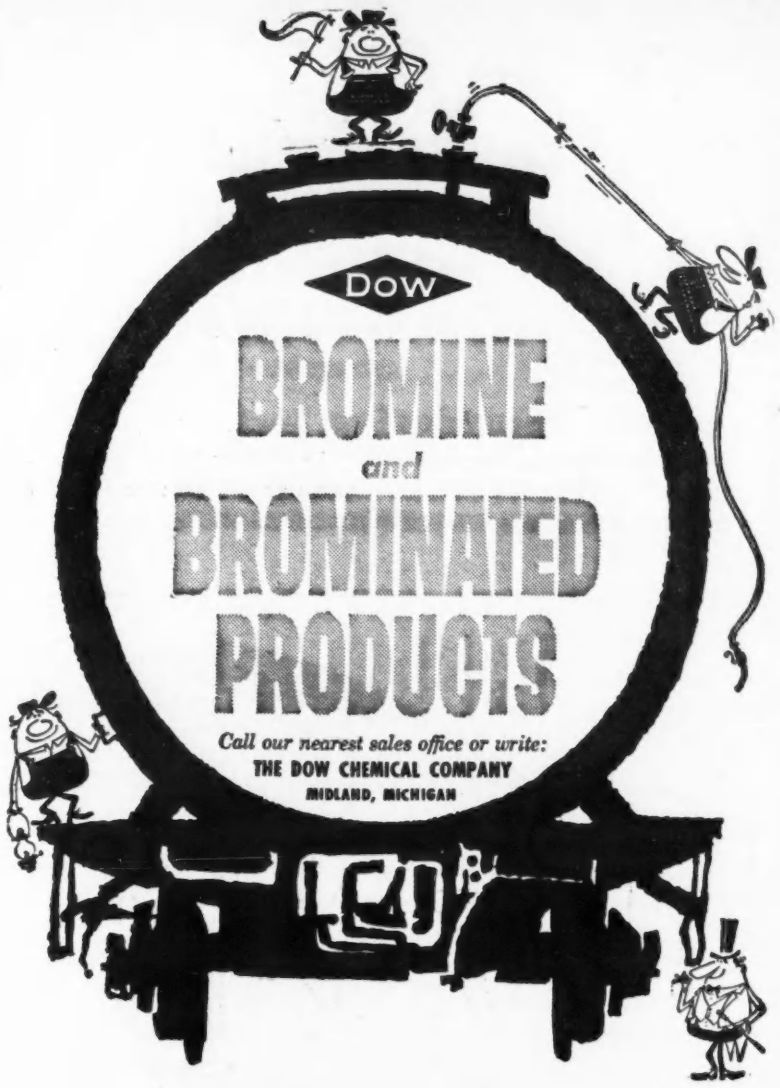
Currently, demand for both tartaric and cream of tartar is fair with adequate material available. Prices are unchanged and, according to several trade reports, no action in this department is anticipated.

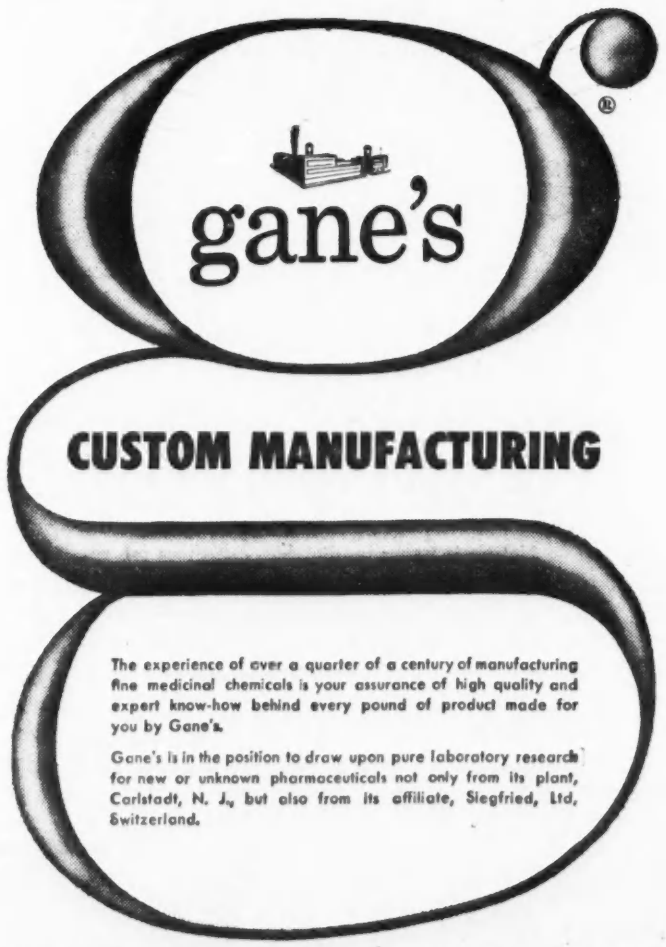
At a high of 506,195 pounds in March, imports of tartaric acid dropped to a mere 32,861 in April. Shipping here that month were: France 22,042 pounds, valued at $7,286 and dutied at $1,321; Italy 8,819 pounds, valued at $2,781 and dutied at $528; and Spain 2,000 pounds, valued at $667 and dutied at $119. Totals: 32,861 pounds; value $10,734; duty $1,968.

Theobromine—Theobromine, which is an imported item, is still in rather tight supply, a situation that has existed for about a year. Quantity of material available from European sources, reportedly, is small.

Imports in April, amounting to 3,153 pounds, fell way below the March level, 19,684. Total value of April shipments was $9,759, the duty $866, as reported by the Commerce department. Major supplier was The Netherlands, shipping 1,653 pounds (valued at $5,770, dutied at $454).

DL-Threonine—A major chemical firm has added dl-threonine to its product line, completing a program of many years standing toward supplying the dl-forms

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Relatively little nutritional research has been done with dl-threonine, although it is known that rice protein, in particular, is deficient in this amino acid.

Vitamin B_{12}—A major producer of vitamin B_{12} and cobalamin and cyanocobalamin products cut prices rather drastically a fortnight ago and it wasn't long after that competitors took similar action.

Under today's schedule, crystalline B_{12} is quoted at $95 a gram, down $25 from the previous listing, the concentrate at $85 a gram, formerly $110, and the trituation at $109 a gram, formerly $138.

It is somewhat difficult to determine what set of factors precipitated the sharp cut in prices. Without resorting to speculation, it is possible to say only that there is some competition from imports, and that the domestic market has been getting continually weaker for some time. Perhaps, the lower prices will firm things up a bit.

Botanicals

There's not much doing in the botanicals' business. Demand, which usually begins to taper off about mid-July, has already slowed appreciably and with no bite being put on stocks which in some instances are scanty, price activity has come to a halt. Whether interest will pick-up again before the real summer doldrums set in is a question for speculative discussion only.

Collections of domestic botanicals this season are running considerably behind schedule. Gatherings in the Southeast, principal botanicals area in the country, have been impeded by the weather and the lack of a sufficient number of gathers. Farmers there as elsewhere have been late in getting their crops in and consequently they've had less time than usual this year to collect botanicals, their sometime, rather profitable sideline. But now with the schools out and a young but able work force available, collections are likely to increase, a trade source says.

Plastics Firm Organized For Injection-Molded Parts

Industrial Plastics Molders, Inc., has just been organized at Hialeah, Fla., to manufacture injection-molded plastic parts. The controlling interest in the new firm is held by Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N.Y.

The firm will specialize in volume production of plastic parts with rigid specifications for mechanical applications. High speed automatic molding machines have been installed, and manufacturing operations are already underway at a new Hialeah plant, it is reported.

Lead-Zinc Drive On

—Continued from page 7

bill. He then announced that he had obtained a promise from the chairman of the house ways and means committee that it would be given consideration if it should reach the conference committee stage.

The bill proposed by the Oklahoma senator seeks to carry out recommendations expressed by the minority members of the US tariff commission in the lead and zinc report made to the senate early this year. It would replace the present system of import quotas which the commission found to be inadequate in providing the relief needed by the domestic industry.

The Kerr bill called for a fixed duty of 2 cents a pound on lead, plus a removable additional duty of one cent a pound to be applied when the price of lead falls below 13½ cents a pound and removed when it rises to 14½ cents. An additional fixed duty of 1½ cents a pound would be imposed on zinc with an additional duty of one cent a pound applied when the price falls below 12½ cents and removed when it reaches 13½ cents a pound.

Sen. Kerr said that he intends to offer his proposal as a rider to some bill that has already been passed by the house and is likely to be considered by the senate finance committee. This is to circumvent the possibility of his proposal being buried in committee and never given consideration.

UK Plastics Hang Up

—Continued from page 5

the first period, about one-third higher than a year ago.

One surprising note was in polystyrene, where sales sagged a little below the fourth quarter of 1959.

Sales of thermo setting materials showed an increase of 22 percent with amino-plastics, polyesters and epoxide resins doing well. Alkyds, phenolics and cresylics, however, lost ground from the last quarter of 1959.

In the international trade field, the Board of Trade reports exports of plastics in the first quarter at 42,000 tons excluding waste and scrap, or 29 percent more than in the like 1959 period, but imports of plastics were double last year's total at 22,000 tons.

Excluded in the statistics are plastic raw materials used for synthetic textiles manufactures.

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Current Market Quotations

—Continued from page 31

Vitamin E (see a-Tocopherol and Wheat germ oil).
Vitamin H (see Biotin).
Vitamin K, active (see Menadione).
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P, petroleum).

W

Wahoo root bark, bls. ..... lb. 2.00 - 2.25
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 - —
dms., 25-49-lb. lots, New York or Chicago lb. 2.05 - —
dms., 5-24-lb. lots, New York or Chicago lb. 2.15 - —
Watchung-type reds., bbls ..... lb. 1.95 - —

WAXES
Wax quotations are listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms. ..gal.12.25 - —
White lead (see Lead, white).
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls. lb. .21 - .22
White precipitate, USP, powd., dms., 100 lbs., f.o.b. works lb. 5.50 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls lb. .22 - —
Thin, rossed, bls. ..... lb. .22 Nom.
Wintergreen oil, USP nat. northern, cns lb. 6.35 -17.50
USP, nat. southern cns ..... lb. 3.75 - 7.00
Wintergreen oil, syn. (see Methyl salicylate).
Witch hazel bark, bls ..... lb. .16 - .17
Witch hazel leaves, bls. ..... lb. .28 - .30
Wollastonite fine bgs., c.l., works. ton.39.50 - —
bgs., l.c.l. ex whse ..... ton.56.00 - —
Medium, bgs., c.l., works .... ton.27.00 - —
bgs., l.c.l., ex whse. .... ton.44.00 - —
Wood alcohol (see Methanol).
Wood oil (see Tung oil).
Woolfat crude (see Degras).
Woolfat USP (see Lanolin).
Wormseed Levant bgs. ..... lb. 2.50 - —
Wormseed oil (see Chenopodium oil NF).
Wormwood oil, cns ..... lb. 4.75 - 5.00

X

Xylene coaltar, indust., tanks, works:
Bethlehem, Pa. ..... gal. .29 - —
Birmingham dist. ..... gal. .29 - —
Chicago dist. ..... gal. .28½- —
Cleveland dist. ..... gal. .29 - —
Geneva, Utah ..... gal. .29 - —
Johnstown, Pa. ..... gal. .29 - —
Lackawanna, N. Y .... gal. .29½- —
Lone Star, Tex. ..... gal. .27 - —
Lorain, Ohio ..... gal. .29 - —
Middletown, Ohio ..... gal. .30 - —
Minnequa, Col. ..... gal. .29 - —
Philadelphia dist. ..... gal. .29 - —
Pittsburgh dist. ..... gal. .29 - —
Sparrows Point, Md. ... gal. .29 - —
Terre Haute, Ind. ..... gal .29 - —
Youngstown, Ohio ..... gal. .29 - —
Xylene, petroleum, indust., tanks f.o.b. works:
Bayonne, N. J ..... gal. .29 - —
Baytown, Tex. ..... gal. .27 - —
Charleston, S. C. ..... gal. .29 - —
Chicago, Ill ..... gal. .28½- —
Detroit, Mich., dlvd .... gal. .27½- .29
Houston, Tex. ..... gal. .27 - —
Philadelphia, Pa. ..... gal. .29 - —
Xylene, petroleum, indust., tanks, works:
Providence, R. I. ..... gal. .30 - —
Sewell's Point, Va. ..... gal. .28 - —
Wood River, Ill. ..... gal. .28½- —
m-Xylene, 95%, dms., c.l., frt. alld. lb. .25 - —
dms., l.c.l., frt. alld. ..... lb. .26 - —
tanks, frt. alld. ..... lb. .23 - —
o-Xylene, dms., c.l., works ..... lb. .08 - —
dms., l.c.l., works ..... lb. .09 - —
tanks, works ..... lb. .06 - .06½
p-Xylene, dms., c.l., works ..... lb. .20 - —
dms., l.c.l., works ..... lb. .21 - —
tanks, frt. alld. ..... lb. .1645- —
Xylenol, cryst., 45°-47°C., m.p., dms., l.c.l., works lb. .23 - —
56°-58°C., m.p., dms., l.c.l., works, frt. equald lb. .33 - —
Xylenol, cryst., 60°-62°C., m.p., dms., l.c.l., same basis. lb. .40 - —
Xylenol fraction, b.r. 7°-9° C., dry above 227° C., dms., c.l., same basis gal. 1.25 - —
dms., l.c.l., same basis gal. 1.30 - —
tanks, same basis ... gal. 1.05 - —
b.r. 7°-9° C., dry at or below 227° C., dms., c.l., same basis. gal. 1.35 - —
Xylenol fraction, b.r. 7°-9° C., dry at or below 227° C., dms., l.c.l., same basis gal. 1.40 - —
2,4-Xylidine, tech., dms., frt. alld. lb. 1.15 - —
2,5-Xylilline, tech., dms., frt. alld. lb. 1.20 - —
Xylidines, mixed, o-m-p, dms., c.l., or t.l., works lb. .39 - —
dms., l.c.l., same basis ..... lb. .40 - —
tanks, same basis ..... lb. .33 - —

XYLOL
Xylol quotations, both coaltar and petroleum, may be found under Xylene.

Y

Yara yara oil, cns. ..... lb. 2.15 - 3.05
Yeast, brewers, debittered, USP, Saccharomyces, dlvd lb. .27 - —
dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
USP, 90 Int'l B units per gram, 100-lb. dms lb. .52 - —
USP, 200 Int'l B units per gram, 100-lb. dms lb. .56 - —
Yeast, brewers, debittered, USP, 300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Torula, USP, dlvd. ..... lb. .18 - —

YELLOW PIGMENTS
Yellow pigment quotations are listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow.

Yerba santa leaves, bls. ..... lb. .40 - .45
Ylang-ylang oil, Bourbon, bots ... lb. 7.00 -22.00
extra, bots. ..... lb.24.00 -33.00
extra, bots. ..... lb.24.00 -33.00
Yohimbine hydrochloride, bots., tins. oz. 3.75 - 4.25

Z

Zein, bgs., 36,000-lb. lots or more, bgs., 500-lb. lots or more, dlvd lb. .343 - —
bgs., smaller lots, dlvd ..... lb. .373 - —

—Continued on page 50

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CYCLOPENTYL BROMIDE B.P. 137-138° C.	Commercial
CYCLOPENTYLPROPIONIC ACID B.P. 130-132° C/12.	Commercial
CYCLOPENTYLPROPIONYL CHLORIDE B.P. 81-82° C/10.	Commercial
CYCLOHEXENE OXIDE B.P. 129-130° C.	Research

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Current Market Quotations

—Continued from page 49

Zinc acetate, NF, VIII, dms.....lb. .53 - —
Tech., dms., l.c.l., works.....lb. .29¾- —
Zinc borate, bgs., 1,000 lbs or more, works lb. .25 - —
bgs., less than 1,000 lbs., same basis lb. .27 - —
Zinc chloride, NF, gran., dms...lb. .42 - —
NF, precip., powd., dms.....lb. .26 - —
Tech., soln., 50%, dms., c.l., works 100 lbs. 5.80 - —
dms., l.c.l., works..100 lbs. 6.40 - —
tanks, works.....100 lbs. 5.15 - —
fused, dms., c.l., works 100 lbs.10.70 - —
dms., l.c.l., works..100lbs.11.20 - —
gran., fib. dms., c.l., works. 100 lbs.11.45 - —
fib. dms., l.c.l., works..100 lbs.11.95 - —
Zinc chromate bbls., dlvd.....lb. .29 - —
Basic bbls., dlvd.....lb. .34 - —
Zinc cyanide dms. 1,000-lb. lots or more, works lb. .55 - —
dms., smaller lots, works.....lb. .57 - —
Zinc dust coml. bbls., c.l., works. lb. .17 - —
Pigment, bbls., c.l., works...lb. .16½- —
bbls., l.c.l., works.....lb. .18¼- —
Zinc fluoride, bbls., works.....lb. .49 - .50
Zinc hydrosulfite, dms., c.l., frt. alld lb. .21½- —
dms., l.c.l., frt. alld.....lb. .23½- —
Zinc metal prime western, slabs, E. St. Louis lb .13 - —
Prime western slabs, New York. lb. .13¼- —
Zinc naphthenate liq. 8% Zn., dms., frt. alld lb. .27 - —
10% Zn., dms., frt. alld. lb. .33 - —
Zinc nitrate tech. cryst., bbls., works lb. .20 - —
Zinc oxide, pigment, American process, lead-free bgs., c.l., frt. alld lb .14½- —
bgs., l.c.l., 10 tons or more, same basis lb. .15 - —
bgs., l.c.l., smaller lots, same basis lb. .15½- —
leaded, 35% bgs, c.l., mills, frt. alld lb. .15¾- —
bgs., l.c.l., 10 tons or more, same basis lb. .15⅞- —
leaded 50% bgs., c.l., same basis lb. .15¾- —
Zinc oxide pigment, American process, leaded, 50%, bgs., l.c.l., 10 tons or more, same basis lb. .16¼- —
USP, gran., dms.....lb. .26 - —
French process, green seal, bgs., c.l., mills, frt alld lb. .16¼- —
bgs., l.c.l., 10 tons or more, same basis lb. 16¾- —
bgs., l.c.l, smaller lots, same basis lb. .17¼- —
red seal, bgs., c.l., same basis. lb. .15¾- —
bgs., l.c.l., 10 tons or more, same basis lb. .16¼- —
bgs., l.c.l, smaller lots, same basis lb, 16¾- —
white seal, bgs., c.l., same basis lb .16¾- —
bgs., l.c.l., 10 tons or more, same basis lb .17¼- —
bgs., l.c.l., smaller lots, same basis lb .17¾- —
Zinc oxide, USP dms., c.l., frt. alld, lb. .18¼- —
dms., l.c.l., 10 tons or more, same basis lb .18¾- —
dms., l.c.l., smaller lots, same basis lb. .19¼- —
Zinc phenolsulfonate, NF, gran., dms lb. .45 - .46
NF, powd., dms.....lb. .48 - .49
Zinc resinate, precip, 7.2-7.6% Zn., dms., frt. alld lb. .40¼- —
Zinc silicofluoride, dms., works lb. .12½- .14
Zinc stearate, tech., USP, etns., c.l. lb. .41 - —
etns., l.c.l.....lb. .42 - .46
Zinc sulfate, powd., monohydrate, 36% Zn, bgs., c.l., dlvd.E. 100 lbs. 8.75 - —
bgs., l.c.l., dlvd. E..100 lbs. 9.75 - —
Zinc sulfate in bbls 40c. higher.
Zinc sulfide, pure, bgs., c.l., dlvd lb. .25 30- —
Zinc undecylenate, dms.....lb. 2.00 - —
Zinc, yellow (see Zinc chromate).
Zinc-ammonium chloride, bgs., c.l., works..100 lbs.10.25 - —
bbls., c.l., works.....100 lbs.10.85 - —
bbls., l.c.l., works.....100 lbs.11.35 - —
Zinc formaldehyde sulfoxylate, basic, 300-lb. dms., frt. alld..lb. .26 - —
Normal, 250-lb. dms., frt. alld..lb. .52 - —
Zircon (G) gran., bgs., c.l., works. lb. .03½- —
bgs., 5 tons to c.l., works....lb. .03⅜- —
bgs., 1 ton to 9,999-lb. lots, works..lb. .04 - —
bgs., smaller lots, works....lb. .06½- —
Zircon (G), milled, bgs., c.l., works. lb. .04¼- —
bgs., 5 tons to c.l., works....lb. .04⅜- —
bgs., 1 ton to 9,999-lb. lots, works lb. .04¾- —
bgs., 500-1,999-lb. lots, works lb. .07½- —
Zircon (G) in barrels 1c. higher.
Zirconium acetate soln., 13% ZrO_2, dms., c.l., 30,000 lbs. min., works lb. .23 - —
Zirconium hydride, powd., electronic grade, dms., works lb.14.00 -15.00
Zirconium oxide, CP, white, grd., bbls. or bgs., works lb. 1.50 - —
Electric-fused lump, bgs., 500 to 1,999-lb. lots, works lb. .48½- —
bgs., smaller lots, works..lb. .51 - —
milled, bgs., c.l., works....lb. .62 - —
bgs., 5-ton lots, works....lb. .62½- —
bgs., 1-ton to 9,999-lb. lots, works lb. .63¼- —
bgs., 500 to 1,999-lb. lots, works lb. .64 - —
bgs., smaller lots, works..lb. .66 - —
Zirconium Oxide, Glass polishing grade, 94-97% ZrO_2, bgs., works....lb. .55 - .65
Opacifier grade, 85-90% ZrO_2, bgs., lb. .27 - .50
Stabilized oxide, 91% ZrO_2, milled, bgs lb. .62 - .85
Zirconium oxychloride, cryst., etns., 5-ton lots, works lb. .37½- —
bgs., l.c.l., smaller lots, same basis lb. .16⅝- —

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—Continued from page 4

held that the price reduction was legal because Anheuser-Busch was not discriminating against customers who did not operate in the St. Louis area.

The Circuit Court ruled that the Robinson-Patman act applied only to differences in prices where there is some relationship between the seller's customers that entitled them to comparable treatment.

The US Supreme Court, however, disagreed with this viewpoint. It ruled unanimously that the Robinson-Patman antidiscrimination clauses did not stop with the customers of the seller, but extended also to the competitors of the seller. Any difference in price between competing sellers is a price discrimination within the law's meaning the court said.

There is this qualifying condition to this flat edict, however: In order for this price discrimination to be unlawful, it would have to be shown that the discrimination was injurious to the competitors.

Case Returned to Lower Court

The court sent the case back to the lower court for further trial of Anheuser-Busch's defense against the complaint. The court advised the lower court that a company can defend itself against charges of price discrimination if it can prove competition was not sufficiently injured, or if it can show that the price cuts were designed either to meet competition, to account for differences in production or delivery costs, or to keep up with changing market conditions.

In other words, if the discrimination was in accordance with the "good faith" clause of the law it would be legal.

Chief Justice Warren, who announced the unanimous ruling of the court, was careful to add the footnote that the decision "does not raise the specter of a flat prohibition of price differentials."

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Ammonium Sulfamate, herbicide, furnish and deliver approximately 60,000 lbs., and approximately 20 gals. of wetting agent, f.o.b. Greenwood, Miss. Items Bid IFB CIVENG-22-052-60-131B, July 29. US Army Engineer District, Vicksburg, P.O. Box 60, Vicksburg, Miss.

Dieldrin, Technical, containing a minimum of 95 percent dieldrin, 16,000 lbs., Bid FN-4N-23463A, July 7, General Services Administration, Business Service Center, 7th and D Sts., Washington 25, DC.

Herbicide, Radapon powder, 85 percent min. of sodium salt of 2,2 dichloropropionic acid (2,2 dixhloropropionic acid equivalent 74 percent), remainder inert ingredients, est. 14,200 lbs., Bid IFB 60-163, June 29. Open-end type contract effective for a period of one year, US Army Chemical Procurement District, New York, 290 Broadway, New York 7, N.Y.

Nitrous Oxide, medical gas, for fiscal year 1961, Bid IFB MD-05-015-60-98, June 27. Purchasing and Contracting Office, Fitzsimons General Hospital, Denver 30, Colo.

Perchloroethylene, (tetrachloroethylene), 1 item Bid IFB 15766, July 6, Business Service Center, General Services Admin., Bldg. 41, Denver Federal Center, Denver 25, Colo.

Solvent, weed killing, indefinite quantities, term contract, Bid IFB SES-1737, July 5, Business Service Center, General Services Administration, 909 First Ave., Seattle 4, Wash.

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Essential Oils, Aromatics

Thirteen price declines and two price advances were noted among the essential oils and aromatic chemicals. Most of the declines were minor and no one seems particularly concerned about the number of them. Both geranium and spearmint remain firm with dealers eagerly looking forward to the time when the new crop material will be processed and available on spot. Very little geranium is reported to be at source and certainly very little is here on spot.

The price advances were coriander which went up 75 cents per pound and citral extra which went up 25 cents per pound. The following are the price declines:

Anethole, USP, 2 cents per pound; Brazilian bois de rose, 10 cents per pound; Peruvian bois de rose, 10 cents per pound; cinnamic alcohol, 15 cents per pound; clove leaf, 5 cents per pound; eugenol, 10 cents per pound, guaiacwood, 10 cents per pound; indole, $1 per pound; methyl heptin carbonate, 25 cents per pound.

Pennyroyal, 30 cents per pound; clary sage, $1.45 per pound; safrol, 5 cents per pound; styrolyl acetate, 10 cents per pound.

Price Trends

Advanced

Citral, extra, 25c. per lb.
Coriander, 75c. per lb.

Reduced

Anethol, USP, 2c. per lb.
Bois de rose, Brazilian, 10c. per lb.
Peruvian, 10c. per lb.
Cinnamic alcohol, 15c. per lb.
Clove leaf, 5c. per lb.
Eugenol, 10c. per lb.
Guaiacwood, 10c. per lb.
Indole, $1 per lb.
Methyl heptin carbonate, 25c. per lb.
Pennyroyal, 30c. per lb.
Sage, clary, $1.45 per lb.
Safrol, 5c. per lb.
Styrolyl acetate, 10c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	June 26, 1959
144.86	145.19	145.51	145.50

For Current Prices See Page 11

Essential Oils

Bois de Rose—With the production season getting underway, both Brazilian and Peruvian material are weakening. Brazilian declined last week from $2.20 per pound to $2.10 per pound. Peruvian material declined from $1.85 per pound to $1.75 per pound.

Clove Leaf—Crude material, in drums is now selling for $1.25 per pound. Its previous level was $1.30 per pound.

Eugenol, a derivative of clove, also is weakening.

As yet, no one has reported weakening in the clove bud oil. It remains at $2.70 per pound.

Coriander—From its previous level, $8 per pound, coriander has advanced to $8.75 per pound. No particular reasons were put forth to explain this sudden rise in price.

Harvesting does not usually take place until late summer, so anticipation of new crop material is hardly responsible.

The following information might be of interest to our readers. The coriander plant is an annual which grows to a height of approximately two feet. Small flowers appear in June and are either white or rose colored.

The fruit is spherical and usually ripens in August. The essential oil is isolated from this seed by steam distillation.

Coriander grows wild and it is also cultivated. Countries in which it is produced are the United States, Russia, Hungary, Mexico, Poland, Guatemala, Roumania, Czechoslovakia and Morocco.

Geranium—Material continues as tight as ever. Algerian is still listed at $19 per pound and Bourbon at $22, but dealers say there is very little material on spot.

Unofficial reports say that there are only 3 or 4 tons of material in Reunion at the present time.

Guaiacwood—From its previous high, 75c. per pound, guaiacwood has declined to 65c. a pound.

Commercial quantities of the oil are obtained by steam distillation of the heartwood of the Bulnesia sarmienti Lor. (fam. Zygophyllaceae). This is a tree which is from 10 to 12 feet high whose trunk diameter is approximately 10 inches. It is often crooked and gnarled looking.

It grows in the jungles of Paraguay and Argentina.

It is used widely in perfumery—especially in rose compositions. It is a lasting scent and is, therefore used as a fixative. Guaiacwood oil helps to conceal harsh notes of some synthetic aromatics. In the past, it has been known to be used as an adulterant of Bulgarian and Turkish rose oils.

Pennyroyal—From its previous high, $2.25 per pound, this oil has declined to $1.95 per pound..

Pimento Leaf—The price remains at $2.20 per pound, but news from various essential oil dealers in the New York area indicates that the market is firming.

Safrol—Material is now selling for 65c. per pound, as compared to its previous listing, 70c. per pound. The weakening in the market is undoubtedly due to the soft drink industry's decision to discontinue using safrol (and oil sassafras) to flavor their root beer beverages.

The Food & Drug Administration has found safrol to cause possible liver damage.

Sage—Clary sage has declined in price from $16.95 per pound to $15.50 per pound.

Sandalwood—Material continues firm at $19 per pound. This refers, of course, to material from the East Indies. It is also produced in the West Indies, but there is qitue a difference in the two oils.

West Indian is used chiefly in low-priced perfumes, cosmetics and soaps as a substitute for East Indian material. But due to its weaker odor, West Indian oil must be applied in very large doses so that the aroma is never the same as that produced by applying small amounts of East Indian oil.

Aromatic Chemicals

Anethole—Manufacturers and dealers don't seem to know what's happening in the anethole market, but they all agree that something is going on.

The previous OPD listing was at $1.10 per pound. One company reported that this price was too low and that $1.17 would be more like it. Another said the $1.10 price was too low and that $1.80 was more like it.

A third said the $1.10 price was out of date, that increased competition was forcing prices down and that $1.08 would be a more accurate listing. Thus, we reduce the low of the range to $1.08 and raise the high of the range to $1.80.

It is also said that the technical grade is weaker because of competition. The price remains at its previous level, 92c. per pound, but unofficial reports are that material is available for a penny or two less than that.

Cinnamic Alcohol—Word has reached us that the market is weaker. From its previous high, $1.75 per pound, cinnamic alcohol has been reduced to $1.60 per pound. This price refers to material in cans.

This aromatic, which is found in hyacinth oil, balsam Peru, storax and cinnamon leaf, is used as a modifier and a fixative in such perfumes as lilac, rose, hyacinth, and muguet.

Cheaper grades are used in soaps.

Citral—The extra grade has advanced in price from $3.60 to $3.85 per pound, with many dealers quoting much higher prices.

Eugenol—Weakening in the clove oils has had a depressing affect on the eugenol markets, say essential oil dealers in the New York area.

From its previous high, $2.10 per ponud, the USP grade has declined to $2 per pound.

Indole—Dealers here in the New York area report that the price of indole is lower. From its previous high, $14.75 per pound it has dropped to $13.75 per pound.

It is found in citrus oils, in an animal substance that comes from intestinal digestion, and in such flowers as jonquil, orange blossoms, neroli, jasmin, robina, garland flowers and wallflower.

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Essential Oils

previous level, $28 per pound, this aromatic has declined to $27.75 per pound.

Styrolyl Acetate—Material in cans and bottles has been reduced in price from $1.25 per pound to $1.10 per pound.

Seeds and Spices

Pepper—Firmness was evident among the peppers. Malabar black advanced from 60c. per pound to 65c. per pound; Lampong black advanced from 60c. per pound to 65c. per pound, and Muntok white advanced from 77c. per pound to 84c. per pound.

Mobil to Be Set Up

—Continued from page 4

pany adds will also be handled by the latter division.

Named president of the chemical company is Paul V. Keyser, jr., currently a senior vice-president of Socony Mobil. He is also being advanced to executive vice-president of the parent company.

Expansion of existing chemical lines, addition of new products and joint ventures with other firms will all be getting serious attention from the company's management, a spokesman discloses. For, as he puts it, formation of the company will embody "a good deal more than a reorganization," of Socony Mobil's petrochemical business.

Socony Paint Products Company, which carries on the parent company's coatings operations, will become a part of the chemical organization.

The largest single ethylene plant in the world, now abuilding at Beaumont, Tex., is a featured asset in the new firm's estate, according to the company. The plant's capacity is expected to be 380 million pounds annually when it comes on stream in the first quarter of 1961.

MOVES UP: John H. Howard, advanced from midwest regional manager to sales manager for the agricultural division of American Cyanamid Company, New York.

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Oils, Fats and Waxes

Activity in oils and fats last week continued moderate, chiefly for prompt requirements. Soybean oil continued firm at former levels as a result of an active export inquiry. Peanut oil was firmer and crude sales took place at an advance of ¼ cent per pound. Cottonseed and corn oils developed an easier tone, the former declined ⅛ cent and corn oil ¼ cent per pound. Cottonseed foots were weak and off ¼ cent. Crude coconut oil continued unsettled and dropped ¾ cent on the Pacific coast and ¼ cent at New York. Fair volume of business was reported at the decline. Lower cost of the basic oil resulted in producers dropping the price of coconut oil fatty acid 1¾ cent per pound. Copra was easy and more or less nominal.

Producers of shortening advanced prices ½ cent per pound, because of the increased cost of vegetable oils and lard.

Improved export and domestic demand for tallow and greases stiffened the market. High grades were lifted ⅛ cent per pound, while lower grades were unchanged.

Steady tone prevailed in industrial oils despite spotty trading. Tung oil was quiet but steady. Brazilian castor oil continued on a firm basis, reflecting the lack of oil available for shipment from Brazil and the higher market for Indian oil. Oiticica oil was quiet, but was pegged at current quotations. Linseed oil remained unchanged and steady despite the further decline of flaxseed. Withdrawals of oil against existing contracts continued at a good pace. Sperm oil was firmer and boosted 1 cent per pound for all grades. Crude menhaden oil was quiet and held at the recent price reduction.

Trading in oilmeals was spotty and confined to immediate requirements. Soybean meal was steadier, up $1 per ton. Linseed meal was quiet and unchanged.

Price Trends

Advanced

Grease, choice white, ¼c. per lb.
Lard, cash, 1/16c. per lb.
Peanut oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Soybean meal, $1 per ton
Tallow, inedible, bleach, fancy, ⅛c. per lb.
prime, ¼c. per lb
special, ⅛c. per lb.
guaran. fancy, ⅛c. per lb.
Sperm oil, 1c. per lb.

Reduced

Coconut oil, crude, N. Y., ¼c. per lb.
Pac. coast, ¾c. per lb.
Coconut fatty acid, 1¾c. per lb.
Copra, $7.50 per ton
Corn oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Cottonseed oil foots, 95%, ¼c. per lb.
Refd., ⅛c. per lb.
Cottonseed fatty acid, ¼c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	June 26, 1959
112.52	112.25	111.93	112.95

For Current Prices See Page 9

Vegetable Oils

Castor—Trading was spotty. Market was steady. No. 1 Brazilian was maintained at 13½c. per pound, tankcars, New York, prompt delivery. Domestic grades were without change.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:

	Pounds	
	Castor Beans	Castor Oil
Last week		590,000
Previous week	51,300	1,664,000
Corresponding week, 1959		3,000,000
Total this year	2,480,700	42,964,000
Corresponding period, 1959	14,042,500	41,243,000

Coconut—This market was unsettled and fractionally lower. Buying interest was limited to actual needs. Crude declined to 12⅜c. per pound, tankcars, f.o.b. Pacific coast for June and sold at 12½c. for July-August, same basis. The New York market was lower at 15¼c., nominal, tankcars, f.o.b., following light sales at ¼c. higher.

General Services Administration last week rejected all bids for 14 million pounds of crude coconut oil from the stockpile. The agency will make a similar offering in six weeks.

Corn—Crude was easier with sales at 11⅝c. per pound, tankcars, f.o.b. mills, prompt delivery. Refined oil declined to 13.65c., tankcars, New York basis.

Cottonseed—Futures closed slightly higher, except July on the New York Produce Exchange last week. July delivery was under heavy liquidation, but support from trade interests which absorbed the bulk offerings served to keep prices from dropping sharply. Other months were slightly higher. The open interest in July was sharply reduced. Cash oil was quiet and lower with decline in crude. Refined salad oil declined to 13⅜c. per pound, tankcars, New York, prompt delivery.

Crude oil was slightly lower. Tankcars were quoted 10⅜c. per pound in the Valley; 10½c., southeast and 9⅞c., Lubbock and Waco.

An agreement was signed with Spain last week for the purchase of 220 million pounds of cottonseed or soybean oil. Authorization was expected to be issued soon.

Production of crude cottonseed oil in May totaled 86.7 million pounds compared with 130.9 million in April. Cottonseed crushed in May was indicated 252,400 tons against 373,700 tons in April. Stocks of crude oil at end of May totaled 25.2 million pounds compared with 39.7 million in April.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, June 24, follow:

	Sales	High	Low	Close
		Cents per Pound		
July	462	11.70	11.55	11.556
Sept.	295	11.73	11.63	11.656
Oct.	348	11.70	11.49	11.616
Dec.	79	11.61	11.45	11.558
March	25	11.65	11.35	11.56@11.62
May, 1961	6	11.61	11.35	11.57@11.65

Total sales and switches, 1,216 contracts.

Linseed—Business continued spotty. Oil prices were not affected by lower flaxseed. Raw oil was quoted at 13.20c. per pound, tankcars, Minneapolis, June-September delivery and 14.30c., f.o.b. New York.

Olive—This market was quiet and unchanged. Stocks on spot ranged from $2.35 to $2.45 per gallon, drums, duty paid, according to quantity. Spanish oil for shipment was maintained at $57 per 100 kilos, drums, f.o.b. ports, June-July shipment.

Peanut—Market was firmer with crude sales at 16c. per pound, tankcars, f.o.b. mills, prompt shipment. Refined oil was higher at 19¼c., tankcars, New York delivery.

Soybean—Crude was quiet, but steady. Export interest continued active. Market closed at 8¾c. per pound, Decatur, June-July shipment. Refined salad oil was unchanged at 10¾c., tankcars, New York basis.

An agreement with Spain for the purchase of 220 million pounds of soybean or cottonseed oil was signed last week. Authorization was expected shortly. It was reported that Yugoslavia was due to buy 25,000 tons of soybean oil and Pakistan 10,000 tons of vegetable oils within a few days.

Production of crude soybean oil in May was indicated 363.9 million pounds compared with 366.4 million pounds, May last year. Stocks at end of May totaled 149.6 million pounds against 169.5 million end of April. Soybeans crushed in May amounted to 990,600 tons against 992,800 tons the previous month.

Tung—Demand was slow. Trading took place at 23¼c. per pound, tankcars, New York for prompt delivery, with some sellers holding for ¼c. more. Supply situation was still tight and market firm. Drums were well held from 25c. to 25½c. per pound, spot, depending upon quantity. Domestic oil was quoted at 22¼c. per pound, tankcars, f.o.b. mills, for prompt shipment.

Miscellaneous

Cocoa Butter—Market was quiet and fairly steady. Spot stocks were unchanged from 56c. to 61c. per pound, as to quantity.

Copra—Buying interest lagged. June shipment was offered at $175 per ton,

—Continued on page 63

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Coatings Materials

Consumer rush to get in supplies of the phthalates before the July 1 price advance was turned back by many producers due to the tightness in the supplies of the phthalate plasticizers. Business is reported to be on an allocation basis. Producers are divided in their opinions as to when the tightness in the supply position will loosen to workable levels. Some trade sources count on the usual summer vacation shut down of consuming plants to ease the situation while others feel that plant shut downs will have little affect on demand during the summer months.

According to one informed source, the phthalate plasticizer supplies will tighten further during the summer months with the long range view revealing a gradual but marginal improvement. Big question in the plasticizer producers' minds remains the scarcity of naphthalene. Stocks of naphthalene at plasticizer plants are reported to be dropping rapidly with some reports to the effect that in one case naphthalene stocks are down to about five percent of their normal level. Petroleum naphthalene is being counted on to relieve the desperate situation but completion of new plants is not scheduled until the end of the year. In the interim, plasticizer producers should have a difficult time meeting more than regular business demand.

Price Trends

Advanced
Copal gums, 1c. per lb.

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last Month	June 26, 1959
103.15	103.14	103.03	103.05

For Current Prices see page 9

July 1 Price Advances

Barytes, $5 per ton.
Blanc fixe, $15 per ton.
Dibutyl phthalate, 1 to 2½ cents per pound.
Dimethyl phthalate, 1 cent per pound.
Dioctyl phthalate, 1 cent per pound.
Disoctyl phthalate, 1 cent per pound.

Elsewhere in the coatings market prevailing conditions held true to form. Prime pigment demand tooled along in a steady groove with prices firm and unchanged. Congo copal gums were advanced one cent per pound on No. 1 and 2 grades. The advance is reported to be the result of higher freight differentials. Production of the copal gums in the Congo is at a temporary standstill due to the political situation there. Importers here are confident present warehouse supplies will carry them through the crisis in the Congo.

When last heard from, the casein import duty bill still lacked approval from the house. Chances for its passage seemed a certainty, but trademen have had too many experiences of last minute changes to accept certainties until they are accomplished facts.

Argentine casein held firmly to its higher listings of 20¾ to 21¼ cents per pound. Polish followed Argentine's lead, scoring corresponding gains. Reports are that Australian and New Zealand casein are unchanged from previous quotations.

Prime Pigments

Aluminum Paste and Powder—Market conditions for the paste and powder as used in paints continues at a routine pace. Prices are firm and unchanged; while supplies are reported to be adequate.

Carbon Black—A leading carbon black producer has announced the development of a series of dispersions of carbon blacks in either butyl alcohol or isopropyl alcohol. These colloidal dispersions are being marketed under the company's tradename and are available in four different carbons with each of the alcohols.

The producer states that laboratory tests indicate good compatibility with many resins in aqueous as well as solvent systems. No prices for the four new carbon black dispersions have been announced by the producer.

Lacquer Materials

Cellulose Butyrate/Acetate — The long standing market conditions affecting this lacquer material remain in effect. Prices are unchanged while supplies are reported to be fully available.

Plasticizers—Consumers' rush to get under the deadline for the July 1 price advance on the phthalate plasticizers have caused an up-swing in demand. This spurt should prove to be short-lived as the month draws to a close. With the exception of pre-July 1 spurt in activity, most producers report a normal business for the month of June. Some signs of the summer slump in plasticizer demand should begin to appear within the next few weeks, as producers report many plants scheduled for vacation shut downs during July. This breather during July-August should provide plasticizer producers with only marginal relief and little time for inventory-building.

Reports in the trade last week to the effect that supplies of phthalic anhydride were moving onto the market thereby causing some easing in the supply position of the phthalic were discounted by trade sources last week. No sign of the easing in phthalic supplies was discernible to sources close to the plasticizer scene.

Miscellaneous

Casein—Argentine casein continued to firm with quotations about 20¾ to 21¼ cents per pound. Weather in the Argentine is reported to be extremely poor, causing some concern over future production levels.

The casein import duty bill seems likely to be passed without opposition according to most sources. The bill will extend the present suspension on imported casein until June 30, 1963. The house is expected to pass the bill sometime this week thus giving the president an opportunity to sign the bill on his return to the capital.

Polish casein is reported to be moving in the neighborhood of 20¼ cents per pound, while New Zealand casein prices are unchanged. Australian listings are in the range of 22½ to 22¾ cents per pound.

French casein continues to be offered at about 20 to 20¼ cents per pound with very little business being done. European casein production is reported to progressing well aided by the excellent weather conditions over the last few months.

Asphalt—Sales of asphalt and asphaltic products increased 9 percent in 1959 to 19,774,588 short tons, according to a survey made by the Bureau of Mines. Sales of asphalt for paving purposes increased 9 percent in 1959 compared with a 12 percent increase in 1958. Sales reported for the manufacture of roofing products increased 6 percent, and sales for all other uses increased 12 percent in 1959. Road oil sales in 1959 decreased 2 percent.

Asphalt for paving purposes continued to be the major use category and accounted for 74 percent of the total domestic sales. The proportion sold for roofing products amounted to 17 percent of the total and sales for use in miscellaneous products was 9 percent of the total. These percentages are the same as in 1958.

Asphalt cements and fluxes amounted to 14,046,055 short tons or 71 percent of the total domestic sales. Cutback and emulsified asphalts accounted for the balance.

Petroleum asphalt imports, including native asphalt, increased 7 percent from 1,360,000 short tons in 1958 to 1,460,000 short tons in 1959. Exports of petroleum asphalt and products decreased 25 percent from 197,000 short tons in 1958 to 148,000 short tons in 1959.

Asbestos—Asbestos fibre shipments for the month of April are reported to have run about at the same level as during April of last year, while total shipments to date are estimated to be running about 10 percent above that for the same period last year.

According to reports in the trade, low activity in the asbestos consuming industries on the domestic market during the two month period May-April is expected to continue for the next few months.

Export fibre demand is reported to be continuing briskly, well above that for the

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Coatings Materials

previous year. Market conditions for the domestic market varied for the type of asbestos material. The situation for asbestos textiles is reported to be very competitive, while activity in the high pressure insulation market continues to fairly routine.

Naval Stores

Gum naval stores production during May totaled 11,550 barrels of turpentine and 32,560 drums of rosin, according to the Crop Reporting Board. For the first two months of the new crop year, production was about 4 percent less than for the same period last year. Reported production production is the total still output of all gum processed, including both stored and new-crop gum. May production of wood turpentine was less than for the same month last season but slightly larger than in April, 1960.

Combined production of steamed distilled and tall oil rosin was down 3,610 drums from a month ago. Gum rosin stocks on May 31, 1960 were reported at 38,140 drums, compared with 54,410 drums a month ago, while wood rosin stocks, at 67,200 drums, were up slightly.

Pine Gum—The average price paid per standard barrel of commercial pine gum was $37.40 for the week ended June 11. For the previous week the average price paid was $37 per barrel. This compares to the price paid exactly a year ago of $26.60.

The volume of gum deliveries last week totaled 19,500 barrels. This was higher than the previous week when 18,300 barrels were delivered. A year ago the deliveries of pin gum totaled 16,075.

The average content per barrel of turpentine was 10.68 gallons. The average content per barrel of gum rosin was 298.8 pounds. Gum grading was: 37 WW; 28 WG; 17 N; 17 M; and 1 K and below.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. June 17	Mon. June 20	Tues. June 21	Wed. June 22	Thurs. June 23
Drums—					
K	...	...	$12.62½	...	
N	...	...	...	...	$13.03
WG	$13.11	...	...	...	...
Bags—					
WG	$12.75	...	...	...	...

Tankcars (for week ended June 24)—M, $12; K or better, $12

Sales, USDA

972*	....	544*	946*	575*

New York

(Per 100 lbs., c.l., Friday)

WW, $14.60; WG, $14.25; N, $14; K, $13.75; M, $13.75

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	...	...	.491	.485	...
Sales	...	...	8,000¶	8,000¶	...

* Drums equivalent. ¶ Gallons. ½ Or better.

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3—Sharples PY14, PN14 Super-D-Canters 316 S.S.
1—Tolhurst 26" susp. Rubber Imperforate Basket.
2—Fletcher 48" Suspended 316 S.S. Perforated Basket.
2—Sharples #16, 304 S.S., 3 HP motor.

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1—4000 gal. 316 S.S. clad agitated Reactor with coils.
1—550 sq. ft. Buflovak monel single effect Evaporator.
1—7500 gal. 316 S.S. Vert. Storage Tank, 7'x25', 50 psi.
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1—500 gallon Mixer Tank with nickel coils.
1—4000 gal. Haveg Vert. Tank 8'x12'.
3—7500 gal. Rubber Lined Tanks 10'x13'.
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1—12,000 gal. horiz. steel Pressure Tank, 7'6"x36', 200 psi.
6—Stainless Heat Exchangers; 1220, 786, 536, 370, 315, 250 sq. ft.
1—Falls Industries 100 sq. ft. Karbate Condensor.
1—24" dia. x 35', 304 S.S. Bubble Cap Column.

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2—Louisville 8'x50' Stainless Steel lined Rotary Dryers.
9—Rotary Dryers 34"x30', 4'x40', 6'x50', 6'x60', 7'x80', 8'x87'.
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1—P&S 10' wide Apron Conveyor Dryer 48' long.

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1—Baker Perkins 50 gal. jacketed, double arm.
1—Baker Perkins 9 gal. jacketed 304 S.S. double arm.
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2—Steel jacketed Powder Mixers, 225 and 350 cu. ft.
1—Patterson 6' dia. Conical Blender 15 HP.
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1—3' dia. Simpson Intensive Mixer.
1—Stokes 21K, 304 S.S. Granulating Mixer 82 gals.

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OPD Reports From Europe

Fertilizer Prices in UK Coming Down

—Continued from page 5

a monopoly in a product when it accounts for one-third or more of domestic sales of the product. Fisons and ICI each account for more than one-third of the fertilizer business and Potash, Ltd., supplies most of the potash used in fertilizers.

Shell's aggressive entry into the fertilizer field, however, may bring some changes over a period of time. Shell's policy has been to introduce a line of fertilizers first by importing the materials from a Dutch subsidiary of Royal Dutch/Shell, then to build production plants when demand has been created.

It is now producing "Nitra-Shell," a nitrogen-chalk mixture, at its Shell Haven refinery on the Thames. This product competes with ICI's "Nitro-Chalk" fertilizer.

A new compound fertilizer, competing with both ICI and Fisons, was introduced by Shell last month. This compound is imported from Holland.

At Shell Haven, Shell has production capacity for 75,000 tons of ammonia a year, using the Fauser-Montecatini process. About 60,000 tons of liquid ammonia is pumped to an adjacent plant of Fisons for formulation into compound fertilizers, while the remainder goes into "Nitra-Shell." Fisons does not produce its own ammonia and now takes most of its requirements from Shell.

Fisons Shifts From ICI to Shell

The Monopolies Commission report states that Fisons, which had been buying ammonia from ICI, decided in 1954 to look for another supplier—since its negotiations to obtain more favorable terms from ICI had broken down. The agreement with Shell was made in May of 1957.

ICI says it plans to build a 100,000-tons-a-year ammonia plant at its huge Severnside works on the Severn River. The company won't publish its present capacity figures for ammonia at the huge Billingham works. Its ammonium sulfate capacity has been estimated at 350,000 tons a year.

The company reports that 2,500,000 tons of finished products were shipped from the Billingham works last year, and probably the largest product category is fertilizer.

Fisons bore the brunt of the Monopolies Commission fire. "Our main criticism," the commission states, "is that Fisons fixed its prices and hence its profits at too high a level, having regard to the strength of its position." The commission recommended that Fisons change its pricing policy to end the high-profit margins.

While it was only published this year, the Monopolies Commission had been working on its report for some years and its analysis of costs and profits does not extend beyond 1957.

In its latest price cut, Fisons emphasizes that it has put through a reduction in each of the last three years beginning in 1958. As a result, it points out, the new price of its most widely-used fertilizer will be $8.68 a ton cheaper in 1960-61 than it was in 1957-58.

Fisons' Fertilizer Profit Calculated

The commission calculates that Fisons' fertilizer profit, figured as a percentage of capital employed in the business, was 11.8 percent in 1951-52, when government price control was still felt; 19.3 percent in 1952-53, after price control ended; 23 percent in both 1953-54 and 1954-55; 29.3 percent in 1955-56, and 21.6 percent in 1956-57.

Fisons told the commission its pricing policy was designed to obtain a 20 percent return on captial employed. For the years 1953 through 1957, the commission estimated the profits of all British manufacturing enterprises ran between 16 percent and 17.3 percent capital employed.

The study shows that in the year 1955-56, Fisons had costs for triple superphosphate production of $93.91 a ton, with a budgeted profit of $11.30 a ton and an actual profit of $11.35. The company attributed the added profit to the fact that sales in that fertilizer year were greater than expected.

The Monopolies Commission and ICI were unable to agree on a proper method of calculating profit as a return on capital employed. ICI's policy is to attempt to maintain a 12.5 percent return on capital, but it follows a method of revaluing its assets from time to time.

The commission favored a straight historical cost less depreciation way of calculating capital employed, and declared that ICI's profit budget works at 19.5 percent of capital on this basis.

The difference in method results in the company reporting fertilizer profits for 1955-56 and 1956-57 at a little over 11 percent of capital employed, and the commission calculating a return for the same years of 17.3 percent.

Profits Viewed 'With Some Disquiet'

While declaring it thought ICI "has acted with a sense of responsibility up to the present" with regard to its levels of profit, the commission viewed "with some disquiet the possibility that in this subsidized market the company might in future achieve profit levels higher than in recent years and perhaps above the average for manufacturing generally."

With respect to Potash, Ltd., the commission said it could not form a good judgment and whether its profits were too high or not, since it is owned by foreign suppliers. It recommended that more potash be bought from East Germany and other countries as a means of counteracting the company's present monopoly position.

It also suggested that the British Board of Trade look into the possibility of having the fertilizer companies pool their potash buying and so increase their bargaining power with Potash, Ltd. The Board of Trade decided against a pooling arrangement because of the increased competition of supplies from other potash sources.

The Monopolies Commission has few powers beyond its writing of reports, which are sent to the House of Commons for possible legislative action. Such action is now considered unlikely in the fertilizer industry because of the numerous price cuts that have taken place since the years covered in the fertilizer report.

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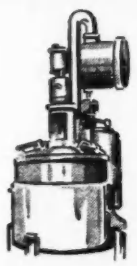

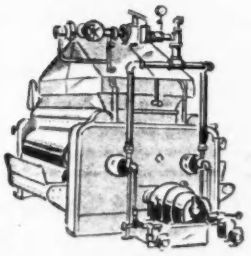

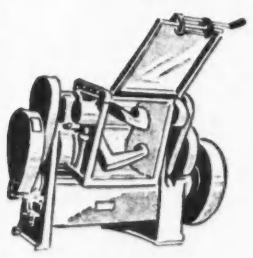

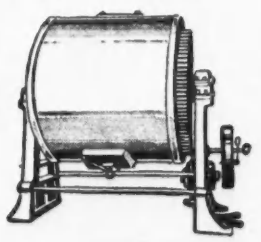

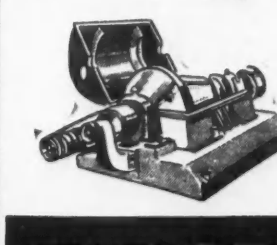

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Mikro STAINLESS Pulverizers No. 2.
Fitzpatrick S/S Comminutators Model D 7½ HP; Model K 20 HP.

DRYERS and EVAPORATORS

Double Drum Dryers by Buffalo & other makers 28" x 60" to 40" x 120".
Pittsburgh Lectro Dryers; Models BAC Size 25; BWC Size 3500.
Multi Pass Jacketed 12" Screw Conveyor; 4 Sections 10' S/S Troughs.

PLASTIC and RUBBER EQUIPMENT

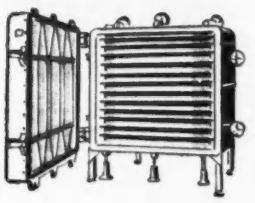
Unused Farrel-Birmingham Late Type 2 Roll Mills 14" x 30"; Uni-Drives.
Other Rubber and Plastic Mills; 16" x 42"; 18" x 42"; 22" x 60".
Calendars 2 Roll 12" x 24", 15 HP; 3 Roll 22" x 58" Complete.
Extruders by NRM, Royle, Allen, electric or oil; several sizes.
Baker Perkins Heavy Duty Double Arm Mixers up to 300 Gal. in stock.
Hydraulic Presses, 36" x 36" by Dunning & Boschert, Southwark, others.
Stokes Aut. Molding Press No. 252; Tablet Presses by Stokes, & Colton

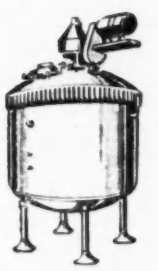
FILTERS and FILTER PRESSES

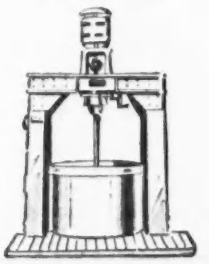
Shriver and Sperry Filter Presses to 42" Cast Iron, Stainless, Ni-Resist, Aluminum.
Oliver Continuous Rotary Panel Type Vacuum Filters; 8' x 8' and 8' x 10'.
Feinc String Type Rotary Vacuum Filters 6' x 6' & 8' x 10'; Stainless contacts.
Bird Young Rotary Vacuum Filter, 4' x 4'. Sweetland Pressure Filters No. 2 to 12.
Enzinger Leaf Type Filter; 48" x 57" Tank with 15 leaves; 360 sq. ft. surface.

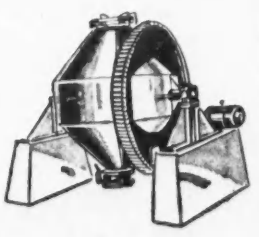
MILLS—GRINDERS—PULVERIZERS

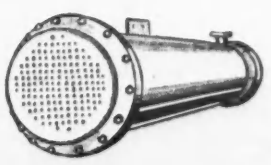
Abbe Jacketed Steel Ball Mills, 42" x 36" with charge of balls.
International Porcelain Lined, Ball Mill 8' x 8'; 50 HP Motor.
Patterson Jacketed Ball Mill, 54" x 42"; good for Vacuum.
Mikro Pulverizers; up to No. 4's. Mikro SS Atomizers Model 5 & 6.
Williams Hammer Mills to 16" x 48". Raymond Imp Mills; many models.
Williams Ring Roll Lab Mills, 3 Roll, 10" x 3"; complete.
American Ring Roll Crusher with 30" x 33" Throat 50 HP Motor.

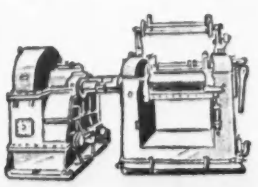


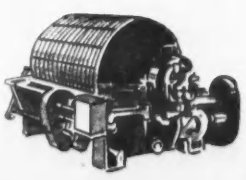


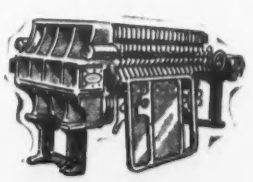












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SUMMER HEADLINERS

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2—Patterson 8' x 10', buhrstone lined.
2—HARDINGE 7' x 36" CONICAL PEBBLE MILLS.
1—Allis Chalmers 6' x 18' burhstone lined.
1—Crosley 6'8" x 7', silex stone lined.
13—ABBE ENG. 6' x 8', BUHRSTONE LINED, 30 HP.
1—Porter 6' x 5', buhrstone lined.
1—Abbe 5' x 6', buhrstone lined.
2—Patterson 4'6" x 12' contin., buhrstone lined.

DOUBLE ARM MIXERS

60—200 GAL. BAKER PERKINS #17, SIGMA, JKT.
1—150 gal. Baker Perkins #16, sigma, jkt.
3—100 gal. Baker Perkins #15, sigma, jkt.
1—100 GAL. BAKER PERKINS #15-UUMM, DISPERSION BLADES, CORED, 100 HP, COMPRESSION COVER.
1—100 gal. J. H. Day, stainless, sigma, 10 HP.
4—75 gal. J. H. Day Imp., disp. blades.
2—50 gal. Baker Perkins, sigma, jkt.
1—20 gal. J. H. Day, #2 Cinc., sigma, jkt.

CENTRIFUGALS—FILTERS

37—SHARPLES #AS-16V CONTIN. CENT., INCONEL.
3—SHARPLES SIZE #C-20 SUPER-D-HYDRATORS, T316 SS.
1—Tolhurst 48" dia. susp. batch centrif., T304 SS.
6—A.T. & M. 40" DIA. SUSP. BATCH CENTRIF., T304 SS.
1—40" Bird susp. basket centrif., steel.
1—40" Fletcher susp. basket centrif., steel.
1—26" Tolhurst susp. basket centrif., steel
1—12" A.T. & M. susp., T304 SS perf. basket.
1—NIAGARA #510-28 T316 SS FILTER, 510 SQ. FT.
1—Alco T316 SS pressure leaf filter, 110 sq. ft.
1—Niagara #53-36, T304 SS filter, 53 sq. ft.
2—**PERRY P. & F. FILTER PRESSES, NI-RESIST, 210 SQ. FT.**
1—[illegible]y #50 steel press. filter, 50 sq. ft.
2—[illegible]eetland #7 steel press. filters, 117 sq. ft.
1—OLIVER 5'3" DIA. X 8' FACE ROT. VAC. FILTER, STEEL, PRECOAT, UNUSED.
2—Oliver 5'3" x 3' rot. vac. filters, T316 SS.
1—American 4' dia. rotary disc filter.
2—Eimco 10' x 12' rot. vac. filters, rub.-cov.

DRYERS

1—Buflovak vacuum shelf dryer, 227 sq. ft.
2—Buflovak vac. shelf dryers; 110, 98 sq. ft.
1—DEVINE VAC. SHELF DRYER, 80 SQ. FT.—UNUSED.
2—Pilot size 4' dia. spray dryers, T304 SS.
1—Buflovak 5' x 30' rotary vac., T316 SS, ASME, complete.
1—Buflovak 3' x 7'—6" rotary vac., T316 SS clad, ASME jkt.
1—Stokes #59A, 18" x 42" rotary vac. dryer.
1—BUFLOVAK 42" x 120" double drum dryer, ASME.
1—Buflovak 42" x 90" double drum dryer.
1—American 36" x 84" double drum dryer.
1—AMERICAN VACUUM 36" X 84" DOUBLE DRUM DRYER.
1—BUFLOVAK 5' x 12' SINGLE DRUM VACUUM DRYER—UNUSED.
1—Buflovak 6" x 8" lab. double drum dryer.
1—LINK-BELT #604-18 ROTO-LOUVRE DRYER.
1—Link-Belt #310-20 Roto-Louvre dryer.
2—HARDINGE #XA-18 8'8" DIA. X 70' LONG ROTARY DRYERS, 5/8" WELDED SHELL.
1—ALLIS CHALMERS 7' x 50' ROTARY DRYER, 5/8" SHELL.
1—GEN. AMER. 7' X 40' ROTARY DRYER, 3/8" WELDED SHELL.
1—Standard 3' x 23' rot. dryer, 1/4" welded shell.

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Link Belt 502-16 Roto Louvre Dryer Oil Fired Furnace, Disch. Hood, and Drive.

Proctor & Schwartz Apron Conveyor Dryer 20 Unit, 10'-2 Tier Stainless Steel.

3 Roll #3036 High Side Raymond Mill Double Whizzer, Exhauster, Piping.

1000 sq. ft. Stainless Steel Condensers with 370-¾"x14'x16 ga. 304 S.S. Tubes.

Buflovac Vacuum Shelf Dryers, 18 Shelves, Condensers, Receivers, and Vacuum Pumps.

Louisville 8'x80'x½" S.S. clad Rotary Dryer with Furnace, Blower, Cyclone.

4500 gal., 9'x9'x¼", Closed, Monel Tank. 6500, 3000, 1500 gal. Haveg Tanks. 100, 200, 300 gal. S.S. Tanks.

C27 & C20 Sharples Super-D-Hydrator Vaportite 316 Stainless XP Motors.

Filter 30"x30" P&F 36 C.I. Chambers.

30 gal. 316 S.S. Autoclave 1000 PSI Int., 319 PSI Jkt., 1½ HP Agitator.

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BIRD Continuous Centrifuges 18" x 28" 316 S.S. (1952) 15 H.P. Washing

COLUMN S.S. 32" D x 25' high, 28 plates.
OLIVER VACUUM FILTER—S.S. 316, 3'x6'
KARBATE HEAT EXCHANGER—40 sq. ft.
FITZ MILL Model D, S.S., 7½ H.P.
HEAT EXCHANGER—S.S. 500 sq. ft.
DEVINE VAC. PUMPS—115 cfm. (2).
TOLHURST—30" S.S. Centrifuge, 3 H.P.
EVAPORATOR—Single effect, S.S. VRC, 90 sq. ft., Blaw Knox 1953. Complete.

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PULVERIZER—3 HP #00 Sturtevant—10HP 2TH Mikro—30 HP Raymond—50 HP 3TH Mikro (unused).

DUST COLLECTOR—Mikro Model 36-1-84—Sly 43"x77"x73½" H-459-D.

SCREENS—12"x72" S/S—20x84 Rotex—20x96 Rotex—3x5, 3x10 Tyler Hummer—30x68 Jeffrey.

MIXERS—1 c.f., 20 c.f. double cone—30 c.f. Patterson Kelly—12 c.f., 22 c.f. Ribbon—40 gal. S/S Pony—60 gal. Post—1 HP 1150 RPM Lightnin'.

FEEDERS—4¼"x24", 24"x72" Syntron S/S—Draver controlled rate, Hardinge Constant Weight.

AIR CLASSIFIERS—Gayco 30"—Sturtevant 36"—Gayco 5', all w/motor drives.

KETTLES—24x30 S/S 125 PSI, Jacket 75 PSI—S/S lined 150 gal. 40 PSI, Jacket 75 PSI.

LAWLER COMPANY
LAWLER PLACE METUCHEN, N. J.
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Dumping Complaints

—Continued from page 5

pinpointing specific persons or companies," Mr. Hull states, "might be retaliation in the form of harassment by foreign companies againt the exports of individual companies or groups. We call attention to the fact that practically every industrialized country in the world has some form of antidumping law or regulation which is intended to serve the same purpose abroad as the protective features of our own antidumping regulations and procedures."

SPECIAL
SPROUT-WALDRON 10,000# HORIZ. SPIRAL MIXER

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CENTRIFUGES—Sharples #5 & 6 S.S.
DRYERS—Hersey 5' x 26' Rotary Stainless Lydon elec. heated Dryer, tray type. Buffalo Vac. Drum Dryer 24" x 20" Dispatch Ovens Elec. Heated Devine 8 shelf Vac. Dryer 40" x 42".
2—Hope S.S. Can Fillers pints to gals.
FILLERS—Powder & Liquid. Also Labelers.
FILTERS—Vallez type 49. with 41 Stainless covered leaves. #2 Sweetland 12 Stainless covered leaves. Ertel 6" & 10" Disc type.
FILTER PRESSES—6" to 36" Iron & Wood.
KETTLES—Stainless Jack. 20 to 500 gals. Dopp 350 gal. Cast Iron Jack. Vacuum. Devine Impreg. Units 30" & 36" dia. Steel, Alum & Copper 5 to 2,000 gals.
MILLS—Raymond #00 Pulverizer 30 HP complete. Also #0000. Mikro Pulverizer #4, 2S1, 2TH, 1SH, Hammer Mills & Pulverizers 3 to 50 HP. Williams #BB, #3 & #2XX Hammer Mills. Rotary Cutters 1 HP & up. Spr. Wald. Stainless Spike Crusher. Pebble, Jar & Ball Mills, Lab. to 6' x 8'. 3 Roll, 9" x 32", 12" x 30", 16" x 40" Lehmann 4 Roll W. C. 12" x 36" Steel
MIXERS—Baker Perkins 100 gal. Jack. Day Imperial 75 & 150 gal. Change Can Mixers 8, 15 & 40. Day Jumbo 700 gal. horiz. Mixer. Blystone 3000# horiz. spiral Mixer Day 1000# horiz. Dry ribbon Mixer. Dry Spiral Mixers 50 to 3000#. Lancaster 6' dia. 25 HP & #1, 3 HP.
PUMPS—Vacuum 10 to 500 CFM. Gould 75 HP Centrifugal 250 PSI.
SIFTERS—Day, Robinson Rotex type.
SOAP MACHINERY—Toilet, Laundry, etc.
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Atomizer: Mikro type 5MA, st. steel.
Disintegraters: Rietz RD18-P, steel, 75 hp.
Homogenizer-Disperser: Tri-Homo #10, #4.
Dryer: American 24x48" dbl. drum.
Dryer: Bowen lab. spray, st. st.
Evaporator: Buflovak sgl. eff. st.st. 94 sq. ft.
Dryer: Porter 2 x 4' vac. drum, st. st.
Centrifugal: Tolhurst 26" rubber, 2-speed.
Mix-Muller: Simpson Porto 39½" st. st.
Fillers: Stokes & Smith EG-1, st. st.
Centrifugal: Tolhurst 20" type 316 st. st.
Centrifugal: AT&M 40" st. st. perf.

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3—Struthers Wells 2000 gal. type 316 SS reactors, complete with impeller type agitators and drives.

1—Struthers Wells type 316 SS 400 gal. reactor, complete with coils, impeller type agitator and drive, 250 psi coils.

2—Pfaudler 300 gal. SS jacketed reactors, 75 psi jacket, 76 psi internal.

1—Pfaudler 200 gal. type 316 SS jacketed reactor, 75 psi jacket, 25 psi internal.

1—Nooter 100 gal. type 304 SS jacketed reactor with anchor type agitator.

1—Theo. Walters SS jacketed reactor, 100 gal. cap., with anchor type agitator and drive.

1—Autoclave Engineers type 316 SS, 1 gal. autoclave complete with agitator and drive, coils 1200 psi W.P.

1—Stainless steel 18,000 gal. pressure tank, 60 psi.

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2—Pfaudler 500 gal. Series R 60 glass lined jacketed reactors, with impeller type agitators, baffle and drive, NEW.

1—Stainless steel vertical 3000 gal. storage tank.

1—Pfaudler 300 gal. Series R glass lined jacketed reactor with impeller type agitator, baffle and drive, NEW.

1—Pfaudler 100 gal. Series ES glass lined jacketed reactor complete with anchor type agitator, drive and motor, 85# jacket, with full vacuum.

1—Pfaudler 50 gal. Series ES glass lined jacketed, reactor, complete with anchor type agitator and drive, 75# jacket, 25# internal.

1—Pfaudler Series P 30 gal. glass lined jacketed kettle, 95# jacket, 25# internal, NEW.

1—Pfaudler Series P 20 gal. glass lined jacketed reactor, complete with impeller type agitator and variable speed drive, 100# jacket.

1—Leader 200 gal. glass lined jacketed reactor, 135 psi jacket, full vacuum.

6—Pfaudler 1000 gal. glass lined storage tanks.

1—Cole 18,000 gal. aluminum storage tank.

8—Western States 40" type 316 SS suspended type centrifuges with perforate baskets, plows and 40 HP motors.

1—Eastern 7000 gal. aluminum storage tank.

1—Hersey SS rotary dryer, 18" x 12', complete.

4—Stainless steel rotary dryers, 4' x 20', 6' x 50' and 8' x 40'.

1—AT&M 40" SS suspended type centrifuge complete with perforate basket, plow and motor.

2—Tolhurst SS 48" suspended type centrifuges complete with perforate basket, plows and motors.

1—Fletcher 48" type 316 SS whirlwind centrifuge complete with perforate basket, SS curb and motor.

1—Oliver SS pressure precoat filter, 5'3" x 8'.

1—Oliver SS rotary vacuum precoat filter, 3' x 4'.

1—GATX type 316 SS rotary filter, 2' x 6".

2—Girdler SS jacketed heating votators, 10" x 62".

2—Girdler SS jacketed cooling votators, 24" x 6'.

1—Acme type 316 SS packed column, 2' x 31'9".

1—Buflovak SS rotary vacuum dryer, 3' x 15'.

5—Davis Engineers Carpenter 20 heat exchangers, 125 sq. ft., ASME N.B.

1—Bird SS continuous centrifugal filter, 18" x 28" with 15 HP motor, NEW.

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Bird 18"x28" Continuous Cent. Filter.
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Abbe 5'x6' Jktd. Ball Mill, chr. mang. steel.
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2 Preformers, Stokes RB2 & Colton #5½.
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Charlotte Stainless Lab Colloid Mill—MD.
Chisholm Ryder Model C-10 Labeler—MD.
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4—RIBBON BLENDERS, 2500 gallons, 1350 gallons.
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1—DRUM DRYER, Proctor & Schwartz.
2—COLLOID MILLS, 5 HP EX-PR. 1 HP.
1—#4 MICRO PULVERIZER.
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1—Abbe 300 gallon double arm mixer, sigma blades.
4—Pebble mills, 400, 250, 50, 15 gallons.
1—7' x 40' Louisville hot air dryer.
5—Lee 300 gallon jacketed stainless steel kettles.
2—Stokes rotary vacuum dryers, 18" x 42", 2½' x 8'.
3—Sparkler model 33-S-17 rubber lined filters.
5—80 gallon type 347 stainless steel autoclaves, 500 PSI.
1—Sperry 36" x 36" cast iron filter press, open delivery, hydraulic closing.
6—Rotex sifters 20"x48", 40"x84", 40"x120", single and double deck.
3—Spiral ribbon blenders 7500, 2000, 1200#.
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3—Stokes tablet presses models F, R, RD-3.

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4—30" Sperry Filter Presses, 32 Chambers, NICKEL or NI-RESIST Plates.
2—250 Ton Swenson Acid Bath Evaporators, RUBBER-LINED, Complete.
2—Rietz Disintegrators, Model RD-18-P, 75HP.—3/60/440.
1—Whitlock #17 STAINLESS Heat Exchanger, Type S, Two Pass, "304" ⅝" tubes, 60# press., Steel Shell, Wgt. 1,700#.
8—Baker-Perkins Vissolvers, Size 2-G, 950 Gals., 30 HP Motor—Falk Reducer Drives.
1—Griscom-Russell STAINLESS Heat Exchanger, 1" x 18 ga. Tubes, type 304, 16" dia. tube Bundle, Wgt. 2,000# Steel Shell.
1—375 Sq. Ft. Patterson Kelly STAINLESS Heat Exchanger, 1953 built, Steel Shell, 2" Tubes, 300# Shell pressure, 75# tube press.
6—98, 134, 175 and 635 Sq. Ft. Ross Steel Heat Exchangers, ⅝" to 1-¼" tubes, 50, 65, and 100# pressures.

ALSO:
12 Viking Pumps, 6 Gearmotors, 15 Centrifugal Pumps, & Splashproof Motors, (7-½ HP). 6—10 HP Gearmotors, 4—3" x 3" Viking Pumps (only), 8 Nickel & Hi-Ni-Alloy Pumps & Motors & Numerous Other Items.

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SAN FRANCISCO (SUtter 1-5568)—Robert W. Walker Company, 57 Post Street, San Francisco

IMPORTS at United States Ports

New York

L-ACID—6 dms, H Bruckmann & Lorbacher, Hamburg
AGAR—92 cs, T M Duche & Sons, Leixoes
ALUM—230 bgs, C M C Chemicals Inc, Liverpool
ALUMINUM SULFATE—300 bgs, C M C Chemicals Inc, Liverpool
AMMONIA CATALYST—9 dms, Armour Agricultural Chemical Co, Gothenburg
AMMONIUM BICARBONATE—125 dms, Chemical Manufacturing Co, Liverpool
185 cs, American Agricultural Chemical Co, Glasgow
100 dms, Basf Inc, Rotterdam
AMMONIUM PERSULFATE—200 dms, Mohegan International Inc, Rotterdam
ANILINE DYES—17 dms, Sandoz Inc, Havre
30 dms, Carbic Hoechst Corp, Rotterdam
95 dms, H Bruckmann & Lorbacher, Hamburg
32 bgs, Putnam Chemical Corp, Hamburg
5 dms, Geigy Cremical Corp, Liverpool
13 dms, Heemsoth Kerner, Liverpool
29 dms, Rotterdam
ANTIMONIC ACID—2 cs, Celanese Corp of America, London
ANTIMONY—105 cs, International Selling Corp, Havre
470 bgs, National Lead Co, Liverpool
54 bgs, Revelli Chemicals Inc, Rotterdam
454 bgs, National Lead Co, Glasgow
200 bgs, Hamburg
ANTIMONY REGULUS—100 cs, Indussa Corp, Antwerp
50 cs, C Gitlan, Antwerp
ARABIC GUM—764 bgs, Bankers Trust Co, Port Sudan
200 bgs, Irving Trust Co, Port Sudan
2,352 bgs, Bank of N Y, Port Sudan
250 bgs, Chemical Bank, Port Sudan
ARSENIC—115 bbls, American Smelting & Refining Co, Tampico
BEESWAX—80 bgs, Chase Manhattan Bank, Lisbon
112 bgs, H H Pike & Co, Willemstad
25 bgs, Machado & Co, Ciudad Trujillo
10 bls, R B Willson Inc, Progreso
22 bgs, Havana
BOIS DE ROSE OIL—4 dms, Hollander Trading Corp, Callao
5 dms, Lo Curto & Funk, Manaus
10 dms, Simab Corp, Manaus
BORNYL ACETATE—6 dms, Lo Curto & Funk, Rotterdam
BUTTONLAC—100 bgs, C H Timm, Calcutta
CALCIUM CARBONATE—360 bgs, J T Baker Chemical Co, London
CALCIUM CHLORIDE—4 dms, Glaessel Shipping Co, Hamburg
CALCIUM HYPOCHLORITE—520 dms, Yokohama
CARAWAY OIL—4 dms, Flora Essential Oils Co, Gdynia
CARAWAY SEED—200 bgs, Louis Furth, Rotterdam
100 bgs, A G Dunn, Rotterdam
100 bgs, Biddle Purchasing Co, Rotterdam
CARMINE—4 dms, Chemical Bank, London
CARNAUBA WAX—126 bgs, M Schmidt, Parnahyba
250 bgs, Smith & Nichols, Parnahyba
135 bgs, T Baldini & Co, Parnahyba
188 bgs, F Henjes, Pahnahyba
36 bgs, D C Andrews, Parnahyba
33 bgs, Smith & Nichols, Areia Branca
300 bgs, M Argueso & Co, Areia Branca
99 bgs, Frank B Ross, Fortaleza
112 bgs, Strahl & Pitsch, Fortaleza
334 bgs, Colonial Trust Co, Natal
90 bgs, Chase Manhattan Bank, Natal
180 bgs, Bank of N Y, Natal
112 bgs, Frank B Ross, Areia Branca
CASEIN—1,000 bgs, Tupman Thurlow, Buenos Aires
500 bgs, Chemical Bank, Buenos Aires
100 bgs, First Spice Co, Rotterdam
400 bgs, J R Spellacy, Melbourne
500 bgs, National Casein Sales, Buenos Aires
1,000 bgs, Paul A Dunkel, Gdynia
2,000 bgs, Rotterdam
647 bgs, Ponta Delgada
CASSIA—97 bls, Ludwig Mueller, Rotterdam
703 bls, Rotterdam
CASTOR OIL—295 tons, Spencer Kellogg, Antwerp
CELERY OIL—3 dms, George Uhe Co, Marseille
CELLULOSE EXTRACT—20 bgs, Barkey Importing Co, Gothenburg
CETYL ALCOHOL—42 cs, Rohner Gehrig, Liverpool
112 bgs, Orbis Products Corp, Liverpool
CHLORINATED RUBBER—400 bgs, C M C Chemicals Inc, Liverpool
700 bgs, C M C Chemicals Inc, London
CLAY—200 bgs, Cement Import Corp, Bremen
80 bgs, Judson Sheldon, Bremen
CLOVE OIL—29 dms, Djibouti
COCONUT OIL—317 tons, American Trust Co, Cebu
260 tons, Procter & Gamble Co, Rotterdam
200 tons, Procter & Gamble Co, Manila
COPAL GUM—204 bkts, O G innes Corp, Macassar
71 bkts, Wm H Scheel, Macassar
206 bkts, S Winterbourne & Co, Macassar
126 bgs, Wm H Scheel, Manila
90 bkts, Archer Daniels Midland Co, Macassar
CORN STARCH—1,990 bgs, Connell Rice & Sugar Co, Bremen
4,962 bgs, Antwerp
934 bgs, Rotterdam
CRESYLIC ACID—219 dms, Van Oppen & Co, Liverpool
26 tons, Van Oppen & Co, Liverpool
DAMMAR GUM—70 bgs, Gillespie Rogers Pyatt, Singapore
28 bgs, Singapere
DEGRAS—140 dms, N I Malmstrom, Fremantle
53 dms, Lanaetex Products Inc, Fremantle
6 dms, Charles of the Ritz, Bremen
2 dms, Olympic Shipping Co, Liverpool
50 dms, Hummel Lanolin Corp, Rotterdam
107 dms, H A Gogarty, Nagoya
DEXTRIN—400 bgs, Stein Hall & Co, Rotterdam
830 bgs, Morningstar Paisley Inc, Rotterdam
85 bgs, Morgan Guaranty Trust Co, Rotterdam
190 bgs, Manufacturers Trust Co, Rotterdam
50 bgs, S S Stafford, Rotterdam
DIACETYL—3 cs, Ungerer & Co, Rotterdam
DYES, BASIC PINK G—14 dms, L & R Organic Products Co, London
DYES, COALTAR—13 dms, Sandoz Inc, Havre
29 dms, Orlex Dyes & Chemical Corp, Hamburg
47 dms, H Bruckmann & Lorbacher, Hamburg
EUCALYPTUS LEAVES—60 bls, Leixoes
EUCALYPTUS WOOD EXTRACT—4,586 bgs, Crystal Extract & Chemical Co, Fremantle
FENNEL SEED—85 bgs, Buenos Aires
FERRIC SULFATE—50 dms, Hudson Shipping Co, Liverpool
FURFURAL—893 tons, E I Dupont De Nemours & Co, La Romana
GELATIN—200 bgs, Manhattan Adhesives Corp, Rotterdam
300 bgs, King Shipping Co, Hamburg
10 dms, D H Burdett, Liverpool
GERANIUM OIL—6 dms, J Manheimer, London
1 ck, A Verley & Co, Marseille
GINGER—120 bgs, Meer Corp, Kingston
56 bgs, Fritzsche Bros, Kingston
GLYCERINE—83 dms, R P Casado, Havana
GRAPHITE—1,000 bgs, Asbury Graphite Mills, Bergen
250 bgs, Joseph Dixon Crucible Co, Colombo
750 bgs, Asbury Graphite Mills, Colombo
60 bgs, Eagle Pencil Co, Rotterdam
GYPSUM—600 bgs, C B Chrystal & Co, Liverpool
90 dms, C B Chrystal Co, Liverpool
25 bgs, Kapell Trading Co, Buenos Aires
300 bgs, L A Salomon & Bro, Liverpool
HEXACHLOROETHANE—270 bgs, Chemical Manufacturing Co, Liverpool
HYDROXYCITRONELLAL—5 dms, George Uhe Co, Marseille
IODINE, CRUDE—767 kgs, Chilean Nitrate Sales Corp, Antofagasta
IPECAC ROOT—6 bgs, Independent Fur Brokers, Arica
IRON BLUE—92 dms, Van Oppen & Co, Liverpool
IRON OXIDE—40 bgs, Whittaker Clark & Daniels, London
960 bgs, C J Osborn Co, Malaga
3,261 bgs, Reichard Coulston, Malaga
480 bgs, American Chemical & Pigments Corp, Malaga
400 bgs, Malaga
LACTIC ACID—50 dms, A Millner & Co, Liverpool
20 cbys, Kolon Trading Co, Hamburg
LACTOSE—45 dms, R J Saunders & Co, Hamburg
LAVANDIN OIL—5 dms, Coutin Associates, Marseille
LEMON OIL—5 dms, Fritzsche Bros, Vera Cruz
2 dms, International Flavors & Fragrances Inc, Vera Cruz
1 dm, Vera Cruz
LEMONGRASS OIL—12 dms, International Flavors & Fragrances Inc, Cochin
6 dms, Maywood Chemical Works, Cochin
25 dms, Lo Curto & Funk, Puerto Barrios
LIME OIL—2 dms, Citrus & Allied Essential Oils Co, Puerto Plata
1 dm, P H Petry, Port Au Prince ... .
1 dm, Port Au Prince
LOCUST BEAN GUM—200 bgs, Colony Import & Export Corp, Portimao
200 bgs, T M Duche & Sons, Portimao
1,100 bgs, J L Quesada, Portimao
MACE—15 cs, Magna Enterprises, Macassar
35 cs, Hismoco American Co, Macassar
49 cs, Catz American Co, Singapore
5 cs, Kellys America Ltd, Singapore
20 cs, A G Dunn, Singapore
70 cs, Macassar
MAGNESIUM TRISILICATE—20 dms, Hudson Shipping Co, Liverpool
MALEIC ANHYDRIDE—100 bgs, Industrial Raw Materials Corp, Havre
MANGANESE—125 cks, Liverpool
MARJORAM LEAVES— 60 bls, Kellys America Ltd, Marseille
MELAMINE—80 bgs, Philipp Bros Chemicals, Liverpool
220 bgs, Yokohama
MENTHOL—40 cs, Lo Curto & Funk, Santos
25 cs, Fritzsche Bros, Santos
50 cs, Schwabach & Co, Santos
140 cs, American Far Eastern Syndicate, Santos
33 dms, Chase Manhattan Bank, Marseille
11 dms, Cannes
METALLIC SODIUM—10 cs, Foundry Services Inc, Liverpool
MOLASSES—477 tons, W R Grace & Co, Salaverry
MONOCHLOROACETIC ACID—150 dms, International Selling Corp, Marseille
320 dms, Bremen
MYROBALANS—1,230 bgs, First National Chicago, Vizagapatamn
NAPHTHALENE—2,469 bgs, Wilco Chemical Co, Liverpool
1,360 bgs, J N Forker, Liverpool
314 bgs, Hudson Shipping Co, Bremen
NAPHTHOL, YELLOW—10 dms, L & R Organic Products Co, Genoa
NICOTINE SULFATE—5 dms, Prentiss Drug & Chemical Co, Liverpool
NUTMEG—12 bgs, Gillespie & Co, Port of Spain
22 bgs, Max Van Pels, Rotterdam
36 bgs, National City Bank, Rotterdam
75 bgs, K H Landes & Co, Port of Spain
127 bgs, Chemical Bank, Djakarta
26 bgs, K H Landes & Co, Macassar
120 bgs, K H Landes & Co, Singapore
65 bgs, M J Golombeck, Singapore
135 bgs, Macassar
OCOTEA CYMBARUM OIL—50 dms, American Metagraph Co, Itajai
OITICICA OIL—200 tons, First National Minneapolis, Fortaleza
OLIVE OIL—50 dms, Chase Manhattan Bank, Seville
305 dms, National City Bank, Seville
50 dms, Swiss Credit Bank, Seville
246 dms, J H Schroder, Seville
200 dms, Manufacturers Trust Co, Seville
25 dms, Chemical Bank, Seville
25 dms, American Trust Co, Seville
50 dms, Societe General, Seville
100 dms, Societe General, Malaga
50 dms, Hanover Bank, Malaga
96 dms, National City Bank, Malaga
100 dms, Book of London & S A, Barcelona
145 dms, Manufacturers Trust Co, Barcelona
ORANGE OIL—1 dm, Citrus & Allied Essential Oils Co, Puerto Plata
OURICURY WAX—133 bgs, M Schmidt, Salvador
111 bgs, Cornelius Wax Refining Corp, Salvador
PALM OIL—606 tons, Belawan Deli
PALMKERNEL OIL—300 tons, E F Drew & Co, Matadi
PAPRIKA—155 bgs, National City Bank, Hamburg
200 bgs, Meer Corp, Hamburg
100 bgs, A A Sayia, Alicante
75 bgs, J Weinstein, Alicante
1,172 bgs, National City Bank, Antwerp
PATCHOULI OIL—3 dms, Tombarel Products Corp, Singapore
2 dms, Florasynth Lab, Singapore
PEPPER, BLACK—630 bgs, A G Dunn, Singapore
160 bgs, Internatio Rotterdam, Cochin
210 bgs, C Czarinkow, Singapore
210 bgs, Mutual Spice Co, Singapore
160 bgs, A G Dunn, Colombo
140 bgs, California Commodities Corp, Singapore
37 bgs, Simab Corp, Colombo
5,530 bgs, Singapore
320 bgs, Calicut
PEPPER, RED—100 bgs, Louis Furth, Kobe
PEPPER, WHITE—60 bgs, M J Golombeck, Belem-Para
140 bgs, Singapore
PHENYL TRIMETHYLAMMONIUM CHLORIDE—10 dms, Hoffmann-La Roche Inc, Hamburg
PERCHLOROETHYLENE—150 dms, International Selling Corp, Marseille
PIMENTO—80 bgs, M J Golombeck, Kingston
16 bgs, Louis Furth, Kingston
16 bgs, Kellys America Ltd, Kingston
POLYVINYL ACETATE—24 bbls, Stauffer Chemical Co, Bremen
POLYVINYL ACETATE RESIN—770 cs, G G Lippelgoes, Kobe
POLYVINYL CHLORIDE RESIN—2,000 bgs, Mitsubishi Corp, Yokohama
440 bgs, Marubeni Iida Co, Kobe
POLYVINYL METHYL ETHER—2 dms, M W Hardy & Co, Kobe
POPPYSEED—100 bgs, Biddle Purchasing Co, Rotterdam
200 bgs, Rotterdam
POTASH, CAUSTIC—72 dms, B T Chemco Inc, Gothenburg
POTASSIUM CYANIDE—300 dms, Ugine Industries, Havre
POTASSIUM FERRICYANIDE—100 bbls, Atlantic Raw Materials, Hamburg
POTASSIUM PERMANGANATE—67 dms, International Chemical Corp, Rotterdam
POTASSIUM SILICOFLUORIDE—450 bgs, London
POTATO STARCH—1,120 bgs, Morningstar Paisley Inc, Dublin
3,200 bgs, Antwerp
PRUSSIAN BLUE—45 dms, Tar Residuals Inc, Rotterdam
QUEBRACHO EXTRACT — 5,000 bgs, Tanimex Corp, Buenos Aires
8,244 bgs, American Tanners Ltd, Buenos Aires
QUINIDINE SULFATE—20 dms, Lo Curto & Funk, Hamburg
RUTILE SAND—900 bgs, International Titanium Corp, Brisbane
1,000 bgs, Lo Curto & Funk, Brisbane
RUTIN—12 dms, Lo Curto & Funk, Sydney
15 dms, S B Penick & Co, Sydney
SEEDLAC—250 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Gillespie Rogers Pyatt, Calcutta
250 bgs, C H Timm, Calcutta
500 bgs, Mantrose Corp, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
SENNA LEAVES—30 bls, Tuticorin
SESAME SEED—224 bgs, Archibald & Kendall, Puerto Barrios
SHELLAC—200 bgs, C H Timm, Calcutta
350 bgs, Wm Zinsser & Co, Calcutta
150 bgs, Gillespie Rogers Pyatt, Calcutta
100 bgs, Mantrose Corp, Calcutta
50 bgs, Haeuser Shellac Co, Calcutta
290 bgs, National City Bank, Hamburg
SODA, CAUSTIC—414 dms, B T Chemco Inc, Gothenburg
SODIUM BENZOSULFIMIDE—40 dms, Baird Chemical Industries, Kobe
SODIUM CHLORITE—50 dms, H Bruckmann & Lorbacher, Bremen
SODIUM CYANIDE—163 dms, Ugine Industries, Havre
SODIUM PERBORATE TETRAHYDRATE—500 bgs, S American Minerals & Merchandise Corp, Rotterdam
SODIUM SILICOFLUORIDE—900 bgs, Copenhagen
SPEARMINT LEAVES—39 cs, Alexandria
STARCH—1,000 bgs, Stein Hall & Co, Rotterdam
800 bgs, Morningstar Paisley Inc, Rotterdam
STRYCHNINE ALKALOID—2 cs, Havre
SULFUR, CRUDE—4,209 tons, E I duPont de Nemours & Co, Coatzcoalcos
SULFUR, PRECIPITATED—22 bgs, Rotterdam
SULFISOXAZOLE—3 cs, Master Shipping, Kobe
TAMARINDS—200 bls, M T Co, Tuticorin
25 bbls, Murbas Trading Co, Port of Spain
150 bbls, Murbas Trading Co, Bridgetown
TAPIOCA—308 bgs, Bernco International Inc, Itajai
250 bgs, Manhattan Adhesives Corp, Itajai
TAPIOCA FLOUR—11,200 bgs, Morningstar Paisley Inc, Kohsichang
672 bgs, Stein Hall & Co, Kohsichang
400 bgs, Geismar & Co, Kohsichang
1,000 bgs, H F R Dolan Jr, Itajai
500 bgs, Morningstar Paisley Inc, Itajai
150 bgs, Manhattan Adhesives Corp, Itajai
1,600 bgs, Manhattan Adhesives Corp, Keelnug
TEA TREE OIL—1 dm, Lo Curto & Funk, Sydney
THALLIUM SULFATE—3 cs, Hamburg
THYME LEAVES—100 bls, M J Golombeck, Marseille
TUNG OIL—200 tons, Bunge Corp, Buenos Aires
150 tons, Buenos Aires
ULTRAMARINE VIOLET—20 bgs, Whittaker Clark & Daniels, London
VANILLA BEANS—22 cs, Marseille
VETIVER OIL—2 dms, Port Au Prince
XYLENOL, CHLORINATED—20 dms, Midland Tar Distillers Inc, Liverpool
YLANG YLANG OIL—6 dms, Djibouti
7,143 bgs, Lo Curto & Funk, Brisbane
ZINC OXIDE—600 bgs, Marseille

Los Angeles

ARABIC GUM—200 bgs, Hathaway Allied Products, Genoa
CALCIUM CARBONATE — 1,800 bgs, Pluess Staufer, Antwerp
CASSIA—361 bls, California Commodities Corp, Djakarta
COPRA — tons, American Trust Co, Cebu
500 tons, American Trust Co, Siain
FERROUS SULFATE — bgs, C Itoh & Co, Kobe
GYPSUM, CRUDE—18,213 tons, Kaiser Gypsum Co, San Marcos
IRON OXIDE—400 bgs, F D Davis, Antwerp
200 bgs, F D Davis, Rotterdam
MOLASSES—2,226 tons, S Western Sugar & Molasses Co, Hinigaran
212 tons, S Western Sugar & Molasses Co, Manila
1,919,550 gals, S Western Sugar & Molasses Co, Vera Cruz
PEPPER, BLACK—420 bgs, Singapore
PEPPERMINT LEAVES—38 cs, C F Ten Eyck & Co, Hamburg
SODIUM CHLORATE—666 dms, Marseille

Philadelphia

ASBESTOS FIBER—3,080 bgs, Johns Manville Corp, Lourenco Marques
500 bgs, Davies Turner & Co, Lourenco Marques
4,000 bgs, Chas Kurz & Co, Lourenco Marques
800 bgs, N American Asbestos Corp, Durban
800 bgs, Marine Midland and Trust Co, Lourenco Marques
DICALCIUM PHOSPHATE—804 bgs, Wessel Duval & Co, Antwerp
GRAPHITE—1,250 bgs, Asbury Graphite Mills, Tamatave
MENTHOL—75 cs, Schwabach & Co, Santos
OLIVE OIL—50 dms, Phila National Bank, Seville
PHOSPHATE ROCK—4,700 tons, H J Baker & Bro, Curacao
TAPIOCA FLOUR—1,105 bgs, Kohsichang
VANILLA BEANS—22 cs, Zink & Trieste, Tamatave
41 cs, Tamatave
WATTLE BARK—1,102 bls, Hammond & Carpenter, East London

San Francisco

ALUMINUM SULFATE—150 bgs, C M C Chemicals, Liverpool
COPRA—1,000 tons—Cargill Inc, Cebu
DEGRAS—50 dms, N I Malmstrom, Liverpool
GYPSUM, CRUDE—16,307 tons, Kaiser Gypsum Co, San Marcos
MARJORAM—60 bgs, H M Newhall & Co, Marseille
NAPHTHA—300,233 bbls, Tidewater Oil Co, Aruba
SAGE LEAVES—200 bls, Trieste

Oils, Fats and Waxes

—Continued from page 55

c.i.f. Pacific coast and July was $172.50 bid.

Flaxseed—Crushers have reduced their bids another 8c. a bushel in the last week, to $3.07 per bushel, both spot and to-arrive. Receipts at Minneapolis have diminished as the price fell away. To-arrive sales in the last week declined to less than 70,000 bushels. The cash market at Minneapolis is fast approaching the $3 level which was maintained for several months of late winter and spring of 1959. The 1960 crop is practically all in the ground in the Minneapolis area and under most favorable growing conditions.

Fats and Greases

Greases—Buying interest was better and tone steady. Yellow grease was quoted at 5c. per pound, tankcars delivered. Choice white was firmer because of increased export interest. Prices ranged from 6⅜c. to 6½c., same basis.

Lard—Steady tone prevailed in this market, with higher hogs. Cash lard was slightly higher at 9.90c. per pound, drums, Chicago.

The spring pig crop was forecast at 49,103,000 head, 16 percent less than a year ago by the Department of Agriculture last week. The combined spring and fall crops for 1960 was placed at 90,600,000 head, 11 percent lower than 1959 and 1 percent below the 1949-58 average.

Tallow—Improved trading for soapers account stiffened higher grades ¼c., while low were unchanged. Bleachable fancy was quoted at 5¾c. per pound, tankcars, delivered; guaranteed fancy, 6c.; prime, 5½c.; special, 5⅜c. and No. 1, 5c., same basis. Export interest was fairly active. Guaranteed fancy was nominal at 6¼c. per pound, bulk, f.o.b. and 1c. more for drums, f.a.s.

Cake and Meal

Cottonseed Meal—Trading continued for small lots. Production was light. No new crop trading as yet. Meal, 41 percent was offered in small lots at $57 per ton sacked, Memphis, and $61 in the southeast.

Linseed Meal—Domestic demand was thin. The small amount of distress meal was offered close to the crusher price. Supplies are sufficient. One of the larger crushers is down, temporarily. There is little demand from formula feed manufacturers except for immediate requirements. Shipping directions are fair. Extracted meal, 34 percent, quoted at $53 per ton, bulk, in carlots, f.o.b. Minneapolis, June-September delivery. Old process 32 percent expeller held steady at $61.50, June-August.

Peanut Meal—Supplies continue to move as fast as produced. Demand, chiefly from local sources. Prices unchanged and steady. Meal, 45 percent old process was quoted at $51.50 per ton sacked and solvent $49 f.o.b. Georgia-Alabama area.

Soybean Meal—The market closed steadier, and sales took place at an advance of $1 per ton. Formula feed mixers limited demand to actual needs. Crushers are cautious buyers of soybeans on the theory that stepped-up acreage of soybeans would make large inventories of meal unprofitable at present prices of raw materials. Many crushers are operating on restricted schedules. Meal, 44 percent unrestricted, bulk, Decatur, was held at $52 a ton for prompt shipment.

Waxes, Vegetable

Consuming demand for vegetable waxes last week continued confined to actual needs. Business was spotty, but all waxes were unchanged pricewise.

Good demand continued for candelilla for spot and later delivery, but actual business was practically nil owing to scarcity of supplies on spot and lack of offers for shipment from Mexico. This kept the market a nominal affair. Sales of small lots on spot were made to regular customers at 65c. to 66c. per pound, as to seller and buyer. Bids were reported above this level for moderate sized quantities.

Despite slow demand, carnauba grades remained steady at unchanged quotations. No. 3 Ceara crude was held at 73c. to 74c. per pound, spot and 1c. more for Parnahyba. No. 1 yellow Ceara $1.02 to $1.03 per pound and Parnahyba, 1c. higher, same basis.

Beeswax was quiet but steady. Crude and refined grades were maintained at former quotations.

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